Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/5/2005 11:36:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.58	0.58	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 12:28:00AM	0.9	0.9	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 12:28:00AM	0.58	0.58	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 12:28:00AM	0.63	0.63	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 12:28:00AM	0.42	0.42	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 12:28:00AM	0.85	0.85	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.66	0.66	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 12:28:00AM	0.44	0.44	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.8	0.8	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.34	0.34	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 12:28:00AM	0.14	0.14	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.63	0.63	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.46	0.46	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.14	0.14	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.47	0.47	ug/L	U
034501	1,1-Dichloroethylene	N	E84282	8260B	7/13/2005 12:28:00AM	0.45	0.45	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 12:28:00AM	0.51	0.51	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 12:28:00AM	0.15	0.15	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 12:28:00AM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.67	0.67	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.52	0.52	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 12:28:00AM	1.2	1.2	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 12:28:00AM	1.5	1.5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 12:28:00AM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 12:28:00AM	0.9	0.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.64	0.64	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 12:28:00AM	0.44	0.44	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 12:28:00AM	0.52	0.52	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 12:28:00AM	0.52	0.52	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 12:28:00AM	4.4	4.4	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.98	0.98	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 12:28:00AM	0.27	0.27	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 12:28:00AM	9.9	9.9	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 12:28:00AM	0.98	0.98	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.35	0.35	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 12:28:00AM	0.57	0.57	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 12:28:00AM	8.4	8.4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 12:28:00AM	0.41	0.41	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 12:28:00AM	4	4	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 12:28:00AM	0.34	0.34	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 12:28:00AM	0.14	0.14	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 12:28:00AM	3.8	3.8	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 12:28:00AM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 12:28:00AM	0.28	0.28	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/5/2005 11:36:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 12:28:00AM	0.65	0.65	ug/L	U

Total Parameters Monitored: 45

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 0
WACS Testsite Name: TRIP BLANK
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/5/2005 11:36:00AM
Sampling Method: Unknown
Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/7/2005 9:19:00PM	0.0029	0.0029	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/7/2005 9:19:00PM	0.0085	0.0085	ug/L	U

Total Parameters Monitored: 2

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK 8260

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 8:18:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 6:12:00PM	2.5	2.5	ug/L	U

Total Parameters Monitored: 45

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 17199
WACS Testsite Name: MWB20S
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

Sample Date/Time: 7/5/2005 2:00:00PM
Sampling Method: Unknown
Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

* Well Purged prior to Sample Collection? (Y/N): Y

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
000094	Specific Conductance	N	E84282	Field Sampling	7/5/2005 2:00:00PM	92		umhos/cm	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/5/2005 2:00:00PM	1.2		mg/L	
000010	Field Temperature	N	E84282	Field Sampling	7/5/2005 2:00:00PM	28.5		Degrees C	
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.35	0.35	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/5/2005 2:00:00PM	115.59		ft	
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.66	0.66	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 3:46:00AM	0.52	0.52	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/5/2005 2:00:00PM	2.4		NTU	
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 10:10:00AM	48	5	mg/L	
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 3:46:00AM	0.52	0.52	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 3:46:00AM	0.58	0.58	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 3:46:00AM	1.5	1.5	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.98	0.98	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 3:46:00AM	4.4	4.4	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	4.7	0.31	mg/L	
039180	Trichloroethene	N	E84282	8260B	7/13/2005 3:46:00AM	0.28	0.28	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.46	0.46	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	5.9	5.9	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 3:46:00AM	8.4	8.4	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	5	5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 3:46:00AM	0.5	0.5	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	1.6	1.6	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	290	22	ug/L	
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	1.6	1.6	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	4.7	4.7	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 5:56:00AM	0.25	0.25	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 3:46:00AM	2.5	2.5	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 3:46:00AM	3.8	3.8	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	3.7	2.5	ug/L	I
071900	Mercury	N	E84282	245.1	7/11/2005 6:12:00PM	0.072	0.072	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	1.9	1.9	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/5/2005 2:00:00PM	4.3		SU	
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.63	0.63	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 3:46:00AM	1.2	1.2	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 3:46:00AM	9.9	9.9	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	5.9	5.9	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 3:46:00AM	0.44	0.44	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 3:46:00AM	0.44	0.44	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/7/2005 7:13:00PM	0.0085	0.0085	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 3:46:00AM	0.14	0.14	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	1.7	1.7	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.64	0.64	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 3:46:00AM	0.9	0.9	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17199

WACS Testsite Name: MWB20S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/5/2005 2:00:00PM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.14	0.14	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.67	0.67	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.57	0.57	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.8	0.8	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 3:46:00AM	0.15	0.15	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 3:46:00AM	0.45	0.45	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.52	0.52	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.47	0.47	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 3:46:00AM	0.14	0.14	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 3:46:00AM	0.9	0.9	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 3:46:00AM	0.34	0.34	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/7/2005 7:13:00PM	0.0029	0.0029	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 3:46:00AM	0.63	0.63	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	0.71	0.71	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 3:46:00AM	0.44	0.44	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 3:46:00AM	0.42	0.42	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 3:46:00AM	0.98	0.98	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 3:46:00AM	4	4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 3:46:00AM	0.41	0.41	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 3:46:00AM	0.51	0.51	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 3:46:00AM	0.65	0.65	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 3:46:00AM	0.34	0.34	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	0.74	0.74	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	18	1.2	ug/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	4.8	4.8	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 10:58:00AM	3.6	3.6	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/6/2005 2:48:00PM	0.15	0.01	mg/L	
000610	Ammonia	N	E84282	350.1	7/12/2005 1:38:00PM	0.45	0.04	mg/L	
000940	Chloride	N	E84282	325.2	7/11/2005 12:16:00PM	7.6	0.9	mg/L	
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 3:46:00AM	0.85	0.85	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 3:46:00AM	0.27	0.27	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 17200

WACS Testsite Name: MWB21S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/5/2005 2:20:00PM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/5/2005 2:20:00PM	1		mg/L	
000010	Field Temperature	N	E84282	Field Sampling	7/5/2005 2:20:00PM	25.3		Degrees C	
000406	Field pH	N	E84282	Field Sampling	7/5/2005 2:20:00PM	5.85		SU	
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 4:11:00AM	0.15	0.15	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/5/2005 2:20:00PM	3.9		NTU	
072020	Water Level	N	E84282	Field Sampling	7/5/2005 2:20:00PM	116.25		ft	
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/7/2005 7:34:00PM	0.003	0.003	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.47	0.47	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:11:00AM	0.14	0.14	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 4:11:00AM	0.45	0.45	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:11:00AM	0.65	0.65	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:11:00AM	0.44	0.44	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.57	0.57	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:11:00AM	0.52	0.52	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 4:11:00AM	4.4	4.4	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 4:11:00AM	0.34	0.34	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 4:11:00AM	3.8	3.8	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 4:11:00AM	0.52	0.52	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.98	0.98	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:11:00AM	0.44	0.44	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	1.9	1.9	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 4:11:00AM	0.63	0.63	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 4:11:00AM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.67	0.67	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 4:11:00AM	8.4	8.4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 4:11:00AM	0.41	0.41	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 4:11:00AM	0.98	0.98	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 4:11:00AM	0.28	0.28	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 4:11:00AM	9.4	0.51	ug/L	
081552	Acetone	N	E84282	8260B	7/13/2005 4:11:00AM	17	9.9	ug/L	I
034311	Chloroethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.8	0.8	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/5/2005 2:20:00PM	162		umhos/cm	
034418	Chloromethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.64	0.64	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:11:00AM	0.14	0.14	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 4:11:00AM	2.5	2.5	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 4:11:00AM	4	4	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	2.5	2.5	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.63	0.63	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	3.6	3.6	ug/L	U
000610	Ammonia	N	E84282	350.1	7/12/2005 1:40:00PM	0.4	0.04	mg/L	
000940	Chloride	N	E84282	325.2	7/11/2005 12:17:00PM	2.5	0.9	mg/L	
000620	Nitrate Nitrogen	N	E84282	353.2	7/6/2005 2:48:00PM	0.01	0.01	mg/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	5.9	5.9	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17200

WACS Testsite Name: MWB21S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/5/2005 2:20:00PM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	0.74	0.74	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 4:11:00AM	0.85	0.85	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	2	0.31	mg/L	
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 4:11:00AM	0.42	0.42	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 6:03:00AM	0.25	0.25	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:13:00PM	0.072	0.072	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	4.8	4.8	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	12	1.2	ug/L	
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 4:11:00AM	0.5	0.5	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 10:10:00AM	92	5	mg/L	
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.52	0.52	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 4:11:00AM	0.9	0.9	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	4.7	4.7	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	1.7	1.7	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	5.9	5.9	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.14	0.14	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.66	0.66	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	1.6	1.6	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	5	5	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 4:11:00AM	1.5	1.5	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 4:11:00AM	0.9	0.9	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 4:11:00AM	0.27	0.27	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 4:11:00AM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.35	0.35	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	230	22	ug/L	
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.58	0.58	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/7/2005 7:34:00PM	0.0086	0.0086	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 4:11:00AM	1.2	1.2	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	1.6	1.6	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 4:11:00AM	0.46	0.46	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 11:04:00AM	0.71	0.71	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 17197
WACS Testsite Name: MWB19I
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

Sample Date/Time: 7/5/2005 3:03:00PM
Sampling Method: Unknown
Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

* Well Purged prior to Sample Collection? (Y/N): Y

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	7	2.5	ug/L	I
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 4:36:00AM	2.5	2.5	ug/L	U
001057	Thallium	Y	E87052	200.8	7/27/2005 11:48:00PM	0.25	0.25	ug/L	U
001090	Zinc	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	5.9	5.9	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:15:00PM	0.072	0.072	ug/L	U
001085	Vanadium	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	2.5	2.5	ug/L	U
001000	Arsenic	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	4.8	4.8	ug/L	U
001095	Antimony	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	3.6	3.6	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	15	5.9	ug/L	I
001059	Thallium	N	E87052	200.8	7/17/2005 6:10:00AM	0.25	0.25	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 4:36:00AM	0.51	0.51	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	1.9	1.9	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:36:00AM	0.44	0.44	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	5.7	4.7	ug/L	I
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	1.6	1.6	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	1100	22	ug/L	
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	2.6	1.6	ug/L	I
039180	Trichloroethene	N	E84282	8260B	7/13/2005 4:36:00AM	0.28	0.28	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.8	0.8	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	5.9	5.9	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 4:36:00AM	0.41	0.41	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.98	0.98	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/7/2005 7:55:00PM	0.0029	0.0029	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/7/2005 7:55:00PM	0.0085	0.0085	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 4:36:00AM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 4:36:00AM	0.98	0.98	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 4:36:00AM	4	4	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 4:36:00AM	0.58	0.58	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/5/2005 3:03:00PM	5.09		SU	
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	3.7	0.31	mg/L	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/5/2005 3:03:00PM	0.8		mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/5/2005 3:03:00PM	41		umhos/cm	
000010	Field Temperature	N	E84282	Field Sampling	7/5/2005 3:03:00PM	22.3		Degrees C	
071890	Mercury	Y	E84282	245.1	7/11/2005 6:16:00PM	0.072	0.072	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/5/2005 3:03:00PM	122.38		ft	
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:36:00AM	0.14	0.14	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.63	0.63	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.46	0.46	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.14	0.14	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.47	0.47	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.52	0.52	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 4:36:00AM	0.45	0.45	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 4:36:00AM	0.15	0.15	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:36:00AM	0.44	0.44	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17197

WACS Testsite Name: MWB19I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/5/2005 3:03:00PM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.57	0.57	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/5/2005 3:03:00PM	8.25		NTU	
000620	Nitrate Nitrogen	N	E84282	353.2	7/6/2005 2:48:00PM	0.01	0.01	mg/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:36:00AM	0.65	0.65	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:36:00AM	0.14	0.14	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.34	0.34	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 4:36:00AM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.67	0.67	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 4:36:00AM	8.4	8.4	ug/L	U
001010	Beryllium	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	0.74	0.74	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 4:36:00AM	0.9	0.9	ug/L	U
001005	Barium	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	58	1.2	ug/L	
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.58	0.58	ug/L	U
000610	Ammonia	N	E84282	350.1	7/12/2005 1:42:00PM	0.04	0.04	mg/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	5	5	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	3.6	3.6	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	4.8	4.8	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	100	1.2	ug/L	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	0.74	0.74	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	0.71	0.71	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 4:36:00AM	0.63	0.63	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 4:36:00AM	0.5	0.5	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 4:36:00AM	1.5	1.5	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 4:36:00AM	0.85	0.85	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 12:17:00PM	8	0.9	mg/L	
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 11:10:00AM	4.8	1.7	ug/L	I
001025	Cadmium	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	0.71	0.71	ug/L	U
001030	Chromium	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	1.7	1.7	ug/L	U
001035	Cobalt	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	1.6	1.6	ug/L	U
001040	Copper	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	5	5	ug/L	U
001046	Iron	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	470	22	ug/L	
001049	Lead	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	1.6	1.6	ug/L	U
001065	Nickel	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	4.7	4.7	ug/L	U
001145	Selenium	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	5.9	5.9	ug/L	U
001075	Silver	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	1.9	1.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.64	0.64	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 4:36:00AM	0.52	0.52	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 4:36:00AM	0.9	0.9	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 4:36:00AM	4.4	4.4	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 4:36:00AM	3.8	3.8	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 4:36:00AM	9.9	9.9	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 4:36:00AM	1.2	1.2	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 4:36:00AM	0.27	0.27	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.35	0.35	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 4:36:00AM	0.66	0.66	ug/L	U
000930	Sodium	Y	E84282	200.7 Rev 4.4	7/13/2005 1:16:00PM	3.6	0.31	mg/L	
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 10:10:00AM	28	5	mg/L	
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:36:00AM	0.52	0.52	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 4:36:00AM	0.42	0.42	ug/L	U

Total Parameters Monitored: 93

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 17196

WACS Testsite Name: DUP01

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 7:31:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.52	0.52	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.47	0.47	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.019	0.01	mg/L	I
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 7:44:00AM	8.4	8.4	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:34:00PM	4.7	0.9	mg/L	
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 7:44:00AM	0.52	0.52	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	180	5	mg/L	
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 7:44:00AM	0.9	0.9	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 7:44:00AM	0.5	0.5	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 7:44:00AM	0.44	0.44	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	110	1.2	ug/L	
000610	Ammonia	N	E84282	350.1	7/15/2005 2:56:00PM	0.062	0.04	mg/L	
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 7:44:00AM	0.15	0.15	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 7:44:00AM	4.4	4.4	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.57	0.57	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 11:21:00AM	0.25	0.25	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 7:44:00AM	0.65	0.65	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	5.9	5.9	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	4.7	0.31	mg/L	
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.14	0.14	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 7:03:00PM	0.072	0.072	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 7:44:00AM	0.14	0.14	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.34	0.34	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/14/2005 7:44:00AM	0.45	0.45	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 7:44:00AM	1.5	1.5	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 7:44:00AM	0.14	0.14	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.98	0.98	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 3:34:00PM	0.0031	0.0031	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 3:34:00PM	0.0089	0.0089	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.63	0.63	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.46	0.46	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 7:44:00AM	0.85	0.85	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 7:44:00AM	0.42	0.42	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 7:44:00AM	0.63	0.63	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 7:44:00AM	3.8	3.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 7:44:00AM	0.9	0.9	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.35	0.35	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 7:44:00AM	0.44	0.44	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 7:44:00AM	0.58	0.58	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 7:44:00AM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 7:44:00AM	0.28	0.28	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.64	0.64	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	1.9	1.9	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17196

WACS Testsite Name: DUP01

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 7:31:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.58	0.58	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 7:44:00AM	9.9	9.9	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 7:44:00AM	0.27	0.27	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 7:44:00AM	1.2	1.2	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.8	0.8	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	3100	22	ug/L	
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	0.71	0.71	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	7.3	2.5	ug/L	I
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	5.9	5.9	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	1.6	1.6	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	5	5	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	1.6	1.6	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	6.1	1.7	ug/L	I
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 7:44:00AM	0.44	0.44	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	0.8	0.74	ug/L	I
077424	Iodomethane	N	E84282	8260B	7/14/2005 7:44:00AM	0.67	0.67	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 7:44:00AM	4	4	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	3.6	3.6	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 7:44:00AM	0.51	0.51	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 7:44:00AM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 7:44:00AM	0.98	0.98	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	4.7	4.7	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 7:44:00AM	0.52	0.52	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 11:08:00AM	4.8	4.8	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/14/2005 7:44:00AM	0.41	0.41	ug/L	U

Total Parameters Monitored: 69

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 17201
WACS Testsite Name: MWB22S
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

Sample Date/Time: 7/6/2005 8:54:00AM
Sampling Method: Unknown
Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

* Well Purged prior to Sample Collection? (Y/N): Y

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034010	Toluene	N	E84282	8260B	7/13/2005 7:37:00PM	0.51	0.51	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.47	0.47	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 7:37:00PM	2.5	2.5	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.52	0.52	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.14	0.14	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 7:37:00PM	0.28	0.28	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 7:37:00PM	0.52	0.52	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 7:37:00PM	0.14	0.14	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 8:54:00AM	23.8		Degrees C	
000406	Field pH	N	E84282	Field Sampling	7/6/2005 8:54:00AM	5.89		SU	
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.98	0.98	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 7:37:00PM	0.15	0.15	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 7:37:00PM	0.14	0.14	ug/L	U
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 8:54:00AM	1.6		mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 8:54:00AM	276		umhos/cm	
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 8:54:00AM	6.3		NTU	
072020	Water Level	N	E84282	Field Sampling	7/6/2005 8:54:00AM	117.15		ft	
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 1:26:00PM	0.003	0.003	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 1:26:00PM	0.0086	0.0086	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 7:37:00PM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.67	0.67	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	0.71	0.71	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:32:00PM	9.3	0.9	mg/L	
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	1.9	1.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	140	5	mg/L	
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.74	0.01	mg/L	
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 7:37:00PM	0.9	0.9	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.46	0.46	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	6.3	0.31	mg/L	
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 7:37:00PM	8.4	8.4	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 7:37:00PM	0.98	0.98	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 7:37:00PM	0.44	0.44	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.57	0.57	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 7:37:00PM	0.41	0.41	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 7:37:00PM	4	4	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 7:37:00PM	0.34	0.34	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 7:37:00PM	0.65	0.65	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 7:37:00PM	9.9	9.9	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 7:37:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 7:37:00PM	4.4	4.4	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 7:37:00PM	0.52	0.52	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 7:37:00PM	0.44	0.44	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.34	0.34	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	0.74	0.74	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17201

WACS Testsite Name: MWB22S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 8:54:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	11	2.5	ug/L	
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	5.9	5.9	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	1.6	1.6	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	78	22	ug/L	
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	5	5	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 10:52:00AM	0.25	0.25	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 2:49:00PM	0.12	0.04	mg/L	
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	1.6	1.6	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	5	1.2	ug/L	I
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	4.8	4.8	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 7:37:00PM	0.5	0.5	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	3.6	3.6	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	5.9	5.9	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.58	0.58	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	1.7	1.7	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.8	0.8	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 7:37:00PM	0.27	0.27	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:56:00PM	0.072	0.072	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 7:37:00PM	0.85	0.85	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 7:37:00PM	0.63	0.63	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.35	0.35	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 7:37:00PM	1.2	1.2	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 7:37:00PM	0.9	0.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.64	0.64	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 7:37:00PM	0.45	0.45	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 7:37:00PM	0.63	0.63	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 1:02:00PM	4.7	4.7	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 7:37:00PM	0.58	0.58	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 7:37:00PM	1.5	1.5	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 7:37:00PM	0.42	0.42	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB27S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 9:55:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	0.71	0.71	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	0.74	0.74	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 6:47:00PM	4	4	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 10:37:00AM	0.25	0.25	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	2.2	1.7	ug/L	I
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 6:47:00PM	0.44	0.44	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 9:55:00AM	4.58		SU	
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.51	0.01	mg/L	
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	13	1.2	ug/L	
000940	Chloride	N	E84282	325.2	7/11/2005 3:31:00PM	2.7	0.9	mg/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	4.8	4.8	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 6:47:00PM	0.42	0.42	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:53:00PM	0.072	0.072	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 2:45:00PM	0.04	0.04	mg/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.34	0.34	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 6:47:00PM	0.41	0.41	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 6:47:00PM	0.27	0.27	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 9:55:00AM	22.6		Degrees C	
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	70	5	mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 9:55:00AM	48		umhos/cm	
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	4.7	4.7	ug/L	U
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 9:55:00AM	0.8		mg/L	
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.63	0.63	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 6:47:00PM	0.28	0.28	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.14	0.14	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 6:47:00PM	0.98	0.98	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	12	2.5	ug/L	
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	5	5	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	160	22	ug/L	
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	1.6	1.6	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	5.9	5.9	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	1.6	1.6	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	1.9	1.9	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	1.6	0.31	mg/L	
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.98	0.98	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.67	0.67	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 6:47:00PM	2.5	2.5	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 6:47:00PM	0.14	0.14	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 6:47:00PM	0.44	0.44	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	7.3	5.9	ug/L	I
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 12:50:00PM	3.6	3.6	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 6:47:00PM	0.34	0.34	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 6:47:00PM	9.9	9.9	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 6:47:00PM	8.4	8.4	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB27S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 9:55:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 6:47:00PM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 6:47:00PM	0.9	0.9	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 6:47:00PM	1.5	1.5	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 6:47:00PM	0.44	0.44	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/6/2005 9:55:00AM	122.72		ft	
034010	Toluene	N	E84282	8260B	7/13/2005 6:47:00PM	0.51	0.51	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.47	0.47	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.52	0.52	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 6:47:00PM	0.15	0.15	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.57	0.57	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 6:47:00PM	0.52	0.52	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 6:47:00PM	0.52	0.52	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 6:47:00PM	1.2	1.2	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 6:47:00PM	3.8	3.8	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 12:44:00PM	0.0086	0.0086	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.35	0.35	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.64	0.64	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 6:47:00PM	0.45	0.45	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 6:47:00PM	0.58	0.58	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.46	0.46	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 6:47:00PM	0.14	0.14	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 6:47:00PM	0.65	0.65	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 6:47:00PM	0.9	0.9	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 6:47:00PM	4.4	4.4	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 6:47:00PM	0.85	0.85	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 6:47:00PM	0.8	0.8	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 9:55:00AM	19.6		NTU	
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 12:44:00PM	0.003	0.003	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 6:47:00PM	0.63	0.63	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB27I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 9:39:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 7:12:00PM	8.4	8.4	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 7:12:00PM	0.9	0.9	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	4.8	4.8	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	55	1.2	ug/L	
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 7:12:00PM	0.63	0.63	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 7:12:00PM	4	4	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.63	0.63	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 7:12:00PM	9.9	9.9	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 7:12:00PM	0.51	0.51	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.67	0.67	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.34	0.34	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 7:12:00PM	0.65	0.65	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 7:12:00PM	0.98	0.98	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	3.4	0.31	mg/L	
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 7:12:00PM	0.5	0.5	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	0.74	0.74	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 7:12:00PM	0.52	0.52	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 7:12:00PM	1.5	1.5	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 9:39:00AM	21.3		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 9:39:00AM	0.9		mg/L	
077103	2-Hexanone	N	E84282	8260B	7/13/2005 7:12:00PM	4.4	4.4	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 7:12:00PM	0.14	0.14	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 7:12:00PM	0.52	0.52	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	16	5	mg/L	
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 7:12:00PM	0.44	0.44	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.57	0.57	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 7:12:00PM	0.45	0.45	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	0.71	0.71	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/6/2005 9:39:00AM	123.72		ft	
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 9:39:00AM	12.1		NTU	
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 1:05:00PM	0.003	0.003	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 7:12:00PM	3.8	3.8	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 1:05:00PM	0.0086	0.0086	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 9:39:00AM	5.43		SU	
077596	Methylene bromide	N	E84282	8260B	7/13/2005 7:12:00PM	0.41	0.41	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 7:12:00PM	0.15	0.15	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.66	0.66	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	1.7	1.7	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 7:12:00PM	0.28	0.28	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	3.6	3.6	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 7:12:00PM	0.9	0.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.64	0.64	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 7:12:00PM	0.44	0.44	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB27I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 9:39:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.98	0.98	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.46	0.46	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	5.9	5.9	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	1.6	1.6	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 7:12:00PM	0.34	0.34	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:31:00PM	6	0.9	mg/L	
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	4.7	4.7	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 7:12:00PM	0.44	0.44	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	510	22	ug/L	
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	5	5	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	1.6	1.6	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 7:12:00PM	0.14	0.14	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 10:44:00AM	0.25	0.25	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 7:12:00PM	0.85	0.85	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 2:47:00PM	0.046	0.04	mg/L	I
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 9:39:00AM	56		umhos/cm	
032104	Bromoform	N	E84282	8260B	7/13/2005 7:12:00PM	0.58	0.58	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	1.9	1.9	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 7:12:00PM	2.5	2.5	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	2.5	2.5	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 12:56:00PM	5.9	5.9	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:55:00PM	0.072	0.072	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.52	0.52	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 7:12:00PM	0.42	0.42	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.015	0.01	mg/L	I
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 7:12:00PM	1.2	1.2	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.47	0.47	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.14	0.14	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 7:12:00PM	0.27	0.27	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 7:12:00PM	0.35	0.35	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB27D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 10:27:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
032106	Chloroform	N	E84282	8260B	7/13/2005 6:22:00PM	0.9	0.9	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	1.9	1.9	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 6:22:00PM	0.42	0.42	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 2:43:00PM	0.069	0.04	mg/L	
000940	Chloride	N	E84282	325.2	7/11/2005 3:30:00PM	6.3	0.9	mg/L	
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	62	5	mg/L	
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 6:22:00PM	0.9	0.9	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 6:22:00PM	0.5	0.5	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 6:22:00PM	8.4	8.4	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.67	0.67	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 6:22:00PM	0.44	0.44	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 6:22:00PM	0.63	0.63	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 6:22:00PM	0.65	0.65	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 6:22:00PM	0.51	0.51	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.01	0.01	mg/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.57	0.57	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.46	0.46	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 6:22:00PM	0.44	0.44	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.34	0.34	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	5	5	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 10:27:00AM	105		umhos/cm	
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 6:22:00PM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 6:22:00PM	0.14	0.14	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	1100	22	ug/L	
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 6:22:00PM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 6:22:00PM	0.28	0.28	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.98	0.98	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	2.5	2.5	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	1.6	1.6	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.64	0.64	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	1.6	1.6	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	4.7	4.7	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	5.9	5.9	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:51:00PM	0.072	0.072	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	3.8	0.31	mg/L	
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	5.9	5.9	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 10:30:00AM	0.25	0.25	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 6:22:00PM	1.5	1.5	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	0.71	0.71	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 6:22:00PM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 6:22:00PM	0.85	0.85	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 6:22:00PM	0.41	0.41	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	3.6	3.6	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB27D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 10:27:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 12:01:00PM	0.0087	0.0087	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 6:22:00PM	3.8	3.8	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.58	0.58	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	0.74	0.74	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.35	0.35	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	1.7	1.7	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 10:27:00AM	5.98		SU	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	4.8	4.8	ug/L	U
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 10:27:00AM	0.8		mg/L	
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 6:22:00PM	0.15	0.15	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.8	0.8	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 6:22:00PM	0.98	0.98	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 10:27:00AM	21.3		Degrees C	
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 6:22:00PM	0.14	0.14	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.52	0.52	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 6:22:00PM	0.45	0.45	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.47	0.47	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 12:44:00PM	59	1.2	ug/L	
078124	Benzene	N	E84282	8260B	7/13/2005 6:22:00PM	0.27	0.27	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.14	0.14	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 6:22:00PM	0.63	0.63	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 6:22:00PM	0.34	0.34	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 6:22:00PM	0.52	0.52	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 6:22:00PM	9.9	9.9	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 6:22:00PM	4	4	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 6:22:00PM	4.4	4.4	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 10:27:00AM	0.5		NTU	
072020	Water Level	N	E84282	Field Sampling	7/6/2005 10:27:00AM	123.56		ft	
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 6:22:00PM	1.2	1.2	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 6:22:00PM	0.52	0.52	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 12:01:00PM	0.003	0.003	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB29I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:05:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
071900	Mercury	N	E84282	245.1	7/11/2005 6:47:00PM	0.072	0.072	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.57	0.57	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	1.6	1.6	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 10:01:00AM	0.25	0.25	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	5.9	5.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	2.5	2.5	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	3.4	0.31	mg/L	
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	1.9	1.9	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	4.7	4.7	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	5	5	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	1.6	1.6	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	5.9	5.9	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.34	0.34	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	470	22	ug/L	
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 5:32:00PM	0.85	0.85	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 5:32:00PM	0.52	0.52	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	10	5	mg/L	
077103	2-Hexanone	N	E84282	8260B	7/13/2005 5:32:00PM	4.4	4.4	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 5:32:00PM	0.14	0.14	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.98	0.98	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	0.71	0.71	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	0.74	0.74	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	48	1.2	ug/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	4.8	4.8	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	3.6	3.6	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:26:00PM	5	0.9	mg/L	
000610	Ammonia	N	E84282	350.1	7/15/2005 2:36:00PM	0.04	0.04	mg/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.01	0.01	mg/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 5:32:00PM	1.2	1.2	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 5:32:00PM	1.5	1.5	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 5:32:00PM	0.58	0.58	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 5:32:00PM	0.5	0.5	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.35	0.35	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 5:32:00PM	0.44	0.44	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.66	0.66	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 5:32:00PM	4	4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 5:32:00PM	0.41	0.41	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 5:32:00PM	9.9	9.9	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 5:32:00PM	0.98	0.98	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 5:32:00PM	0.34	0.34	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 5:32:00PM	3.8	3.8	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 5:32:00PM	0.51	0.51	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 5:32:00PM	8.4	8.4	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB29I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:05:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 5:32:00PM	0.45	0.45	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 5:32:00PM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.67	0.67	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 5:32:00PM	0.65	0.65	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.64	0.64	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 11:05:00AM	5.05		SU	
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 11:05:00AM	21.8		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 11:05:00AM	1.2		mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 11:05:00AM	40		umhos/cm	
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 11:05:00AM	11.6		NTU	
072020	Water Level	N	E84282	Field Sampling	7/6/2005 11:05:00AM	134.13		ft	
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 5:32:00PM	0.52	0.52	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 10:37:00AM	0.0029	0.0029	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 5:32:00PM	0.9	0.9	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 5:32:00PM	0.15	0.15	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 5:32:00PM	0.42	0.42	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 5:32:00PM	0.28	0.28	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 5:32:00PM	2.5	2.5	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 12:20:00PM	1.7	1.7	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.63	0.63	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 5:32:00PM	0.9	0.9	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 5:32:00PM	0.44	0.44	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 5:32:00PM	0.63	0.63	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 5:32:00PM	0.27	0.27	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 10:37:00AM	0.0085	0.0085	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 5:32:00PM	0.14	0.14	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.46	0.46	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.14	0.14	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.47	0.47	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.52	0.52	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 5:32:00PM	0.8	0.8	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB29D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:20:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	1.6	1.6	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 5:08:00PM	4	4	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	4.7	4.7	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 2:34:00PM	0.066	0.04	mg/L	
001059	Thallium	N	E87052	200.8	7/17/2005 9:54:00AM	0.59	0.25	ug/L	I
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 5:08:00PM	0.9	0.9	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 5:08:00PM	0.9	0.9	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	850	22	ug/L	
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.98	0.98	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 5:08:00PM	2.5	2.5	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 5:08:00PM	0.14	0.14	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 5:08:00PM	0.44	0.44	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.64	0.64	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	3.7	0.31	mg/L	
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	0.71	0.71	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	2.5	2.5	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 5:08:00PM	0.98	0.98	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 5:08:00PM	0.34	0.34	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 5:08:00PM	0.51	0.51	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	3.6	3.6	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	4.8	4.8	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	5.9	5.9	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	0.74	0.74	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.67	0.67	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	1.7	1.7	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	5	5	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	1.6	1.6	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	34	5	mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 11:20:00AM	72		umhos/cm	
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 5:08:00PM	0.63	0.63	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/6/2005 11:20:00AM	134.05		ft	
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 5:08:00PM	1.2	1.2	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 5:08:00PM	0.85	0.85	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.66	0.66	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 5:08:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.35	0.35	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.58	0.58	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 5:08:00PM	0.27	0.27	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 5:08:00PM	0.42	0.42	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.14	0.14	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	1.9	1.9	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.63	0.63	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 5:08:00PM	0.28	0.28	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 10:16:00AM	0.0031	0.0031	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB29D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:20:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034311	Chloroethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.8	0.8	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 11:20:00AM	1.2		NTU	
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 11:20:00AM	21.7		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 11:20:00AM	0.8		mg/L	
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 10:16:00AM	0.0089	0.0089	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 5:08:00PM	0.5	0.5	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 11:20:00AM	5.55		SU	
000940	Chloride	N	E84282	325.2	7/11/2005 3:25:00PM	6.4	0.9	mg/L	
071900	Mercury	N	E84282	245.1	7/11/2005 6:42:00PM	0.072	0.072	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	5.9	5.9	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.46	0.46	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 5:08:00PM	0.52	0.52	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 12:08:00PM	55	1.2	ug/L	
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 5:08:00PM	1.5	1.5	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 5:08:00PM	0.44	0.44	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 5:08:00PM	0.52	0.52	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 5:08:00PM	0.44	0.44	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.34	0.34	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 5:08:00PM	0.14	0.14	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 5:08:00PM	0.65	0.65	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 5:08:00PM	9.9	9.9	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 5:08:00PM	8.4	8.4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 5:08:00PM	0.41	0.41	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.57	0.57	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 5:08:00PM	0.15	0.15	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 5:08:00PM	0.45	0.45	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.52	0.52	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 5:08:00PM	0.47	0.47	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.01	0.01	mg/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 5:08:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 5:08:00PM	4.4	4.4	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB29S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:38:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077424	Iodomethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.67	0.67	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	30	1.2	ug/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	4.8	4.8	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	3.6	3.6	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 4:43:00PM	0.41	0.41	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 4:43:00PM	0.34	0.34	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 4:43:00PM	3.8	3.8	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 4:43:00PM	0.85	0.85	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 4:43:00PM	8.4	8.4	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	5.9	5.9	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 4:43:00PM	0.44	0.44	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.34	0.34	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:43:00PM	0.14	0.14	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:43:00PM	0.65	0.65	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 4:43:00PM	9.9	9.9	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 4:43:00PM	0.51	0.51	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.47	0.47	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	1.7	1.7	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	5.9	5.9	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 4:43:00PM	0.45	0.45	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:43:00PM	0.44	0.44	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 4:43:00PM	0.52	0.52	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:43:00PM	0.52	0.52	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.57	0.57	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	5	5	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	600	22	ug/L	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	0.74	0.74	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	4.7	4.7	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	0.71	0.71	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 4:43:00PM	4.4	4.4	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 9:18:00AM	0.54	0.25	ug/L	I
077128	Styrene	N	E84282	8260B	7/13/2005 4:43:00PM	0.98	0.98	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:36:00PM	0.072	0.072	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 4:43:00PM	4	4	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	1.9	1.9	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 4:43:00PM	0.42	0.42	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	1.6	1.6	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 9:55:00AM	0.0089	0.0089	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.017	0.01	mg/L	I
000610	Ammonia	N	E84282	350.1	7/15/2005 2:26:00PM	0.04	0.04	mg/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 11:38:00AM	23.4		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 11:38:00AM	1.2		mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 11:38:00AM	95		umhos/cm	
034413	Bromomethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.66	0.66	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: MWB29S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:38:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
039180	Trichloroethene	N	E84282	8260B	7/13/2005 4:43:00PM	0.28	0.28	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 4:43:00PM	0.58	0.58	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 9:55:00AM	0.0031	0.0031	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.63	0.63	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.46	0.46	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.14	0.14	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 4:43:00PM	1.2	1.2	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 4:43:00PM	0.27	0.27	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.58	0.58	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 11:38:00AM	1.2		NTU	
072020	Water Level	N	E84282	Field Sampling	7/6/2005 11:38:00AM	131.1		ft	
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 4:43:00PM	1.5	1.5	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 4:43:00PM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 4:43:00PM	0.9	0.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.64	0.64	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:43:00PM	0.44	0.44	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:22:00PM	13	0.9	mg/L	
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 4:43:00PM	2.5	2.5	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 11:38:00AM	4.08		SU	
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.98	0.98	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	6.9	0.31	mg/L	
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 4:43:00PM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 4:43:00PM	0.9	0.9	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	1.6	1.6	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	24	5	mg/L	
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 10:59:00AM	2.5	2.5	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:43:00PM	0.14	0.14	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.52	0.52	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 4:43:00PM	0.35	0.35	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 4:43:00PM	0.15	0.15	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 17208

WACS Testsite Name: MWB31D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 1:09:00PM

Sampling Method: Unknown

Permitted Well Type: BG

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	92	1.2	ug/L	
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 9:48:00AM	0.63	0.63	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 9:48:00AM	0.52	0.52	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	5.9	5.9	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	4.7	4.7	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	1.6	1.6	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	640	22	ug/L	
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	5	5	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	1.6	1.6	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	5.9	5.9	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 9:48:00AM	0.85	0.85	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.52	0.52	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 9:48:00AM	8.4	8.4	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	0.71	0.71	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 1:09:00PM	21.5		Degrees C	
077128	Styrene	N	E84282	8260B	7/14/2005 9:48:00AM	0.98	0.98	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 9:48:00AM	0.34	0.34	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 9:48:00AM	0.51	0.51	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	3.6	3.6	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	4.8	4.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 9:48:00AM	4.4	4.4	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	0.74	0.74	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 9:48:00AM	1.5	1.5	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	1.7	1.7	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/14/2005 9:48:00AM	0.45	0.45	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 9:48:00AM	0.15	0.15	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 9:48:00AM	4	4	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.57	0.57	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 9:48:00AM	0.65	0.65	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 9:48:00AM	0.52	0.52	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/14/2005 9:48:00AM	0.41	0.41	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:37:00PM	5.9	0.9	mg/L	
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.01	0.01	mg/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	1.9	1.9	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 3:09:00PM	0.11	0.04	mg/L	
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	6.4	0.31	mg/L	
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 11:50:00AM	2.5	2.5	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 12:11:00PM	0.25	0.25	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 7:18:00PM	0.072	0.072	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 1:09:00PM	6.82		SU	
034418	Chloromethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.64	0.64	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 9:48:00AM	0.9	0.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	190	5	mg/L	

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17208

WACS Testsite Name: MWB31D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 1:09:00PM

Sampling Method: Unknown

Permitted Well Type: BG

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 9:48:00AM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 9:48:00AM	0.14	0.14	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 9:48:00AM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 9:48:00AM	0.28	0.28	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.47	0.47	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 9:48:00AM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 9:48:00AM	0.9	0.9	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.46	0.46	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 9:48:00AM	9.9	9.9	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.66	0.66	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.98	0.98	ug/L	U
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 1:09:00PM	0.6		mg/L	
032104	Bromoform	N	E84282	8260B	7/14/2005 9:48:00AM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.35	0.35	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 9:48:00AM	1.2	1.2	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.58	0.58	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 9:48:00AM	0.27	0.27	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.14	0.14	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 9:48:00AM	3.8	3.8	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/6/2005 1:09:00PM	140.23		ft	
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 9:48:00AM	0.14	0.14	ug/L	U
032105	Dibromochloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.34	0.34	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 9:48:00AM	0.44	0.44	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 5:43:00PM	0.0086	0.0086	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.67	0.67	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 9:48:00AM	0.44	0.44	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 5:43:00PM	0.0029	0.0029	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 9:48:00AM	0.42	0.42	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 9:48:00AM	0.63	0.63	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 1:09:00PM	366		umhos/cm	
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 1:09:00PM	1.7		NTU	

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 17208

WACS Testsite Name: DUP03

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 1:09:00PM

Sampling Method: Unknown

Permitted Well Type: BG

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	5	5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 10:13:00AM	0.9	0.9	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.46	0.46	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 6:04:00PM	0.0086	0.0086	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	4.8	4.8	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	640	22	ug/L	
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	1.7	1.7	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	190	5	mg/L	
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 10:13:00AM	1.2	1.2	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 10:13:00AM	9.9	9.9	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	1.6	1.6	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 10:13:00AM	0.14	0.14	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/14/2005 10:13:00AM	0.41	0.41	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 10:13:00AM	8.4	8.4	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.67	0.67	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 10:13:00AM	0.44	0.44	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	92	1.2	ug/L	
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 10:13:00AM	4	4	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 10:13:00AM	0.98	0.98	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.34	0.34	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	0.74	0.74	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	1.6	1.6	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 6:04:00PM	0.003	0.003	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 10:13:00AM	0.27	0.27	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 10:13:00AM	3.8	3.8	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	0.71	0.71	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	1.9	1.9	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	5.9	5.9	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	4.7	4.7	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 10:13:00AM	0.34	0.34	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.64	0.64	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.52	0.52	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.35	0.35	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 10:13:00AM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.66	0.66	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 10:13:00AM	0.5	0.5	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 10:13:00AM	4.4	4.4	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.63	0.63	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.47	0.47	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 10:13:00AM	0.9	0.9	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 10:13:00AM	0.42	0.42	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 10:13:00AM	0.65	0.65	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 10:13:00AM	0.14	0.14	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17208

WACS Testsite Name: DUP03

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 1:09:00PM

Sampling Method: Unknown

Permitted Well Type: BG

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034010	Toluene	N	E84282	8260B	7/14/2005 10:13:00AM	0.51	0.51	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 10:13:00AM	2.5	2.5	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 10:13:00AM	0.15	0.15	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 10:13:00AM	0.28	0.28	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 10:13:00AM	0.85	0.85	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 10:13:00AM	0.44	0.44	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 7:19:00PM	0.072	0.072	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 10:13:00AM	0.44	0.44	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.98	0.98	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 10:13:00AM	0.52	0.52	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 10:13:00AM	1.5	1.5	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.8	0.8	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.57	0.57	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:38:00PM	5.9	0.9	mg/L	
034501	1,1-Dichloroethene	N	E84282	8260B	7/14/2005 10:13:00AM	0.45	0.45	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 12:19:00PM	0.25	0.25	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	5.9	5.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	2.5	2.5	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	6.4	0.31	mg/L	
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 11:56:00AM	3.6	3.6	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 10:13:00AM	0.52	0.52	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 10:13:00AM	0.63	0.63	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 3:11:00PM	0.11	0.04	mg/L	
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 10:13:00AM	0.14	0.14	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.01	0.01	mg/L	U

Total Parameters Monitored: 69

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK 8260

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/6/2005 7:30:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 4:19:00PM	0.34	0.34	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 4:19:00PM	0.28	0.28	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.47	0.47	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:19:00PM	0.14	0.14	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.35	0.35	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 4:19:00PM	3.8	3.8	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 4:19:00PM	0.9	0.9	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 4:19:00PM	4	4	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 4:19:00PM	1.5	1.5	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 4:19:00PM	2.5	2.5	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:19:00PM	0.44	0.44	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 4:19:00PM	0.14	0.14	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 4:19:00PM	0.27	0.27	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 4:19:00PM	0.5	0.5	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 4:19:00PM	1.2	1.2	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.58	0.58	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.34	0.34	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 4:19:00PM	0.44	0.44	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 4:19:00PM	0.98	0.98	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.67	0.67	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 4:19:00PM	8.4	8.4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 4:19:00PM	0.41	0.41	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 4:19:00PM	9.9	9.9	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 4:19:00PM	0.51	0.51	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 4:19:00PM	4.4	4.4	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 4:19:00PM	0.15	0.15	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:19:00PM	0.44	0.44	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.98	0.98	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.57	0.57	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 4:19:00PM	0.65	0.65	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 4:19:00PM	0.52	0.52	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.46	0.46	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 4:19:00PM	0.52	0.52	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.63	0.63	ug/L	U
034501	1,1-Dichloroethylene	N	E84282	8260B	7/13/2005 4:19:00PM	0.45	0.45	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.52	0.52	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 4:19:00PM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 4:19:00PM	0.85	0.85	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 4:19:00PM	0.42	0.42	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 4:19:00PM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 4:19:00PM	0.9	0.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.64	0.64	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK 8260

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/6/2005 7:30:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 4:19:00PM	0.14	0.14	ug/L	U

Total Parameters Monitored: 45

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 0
WACS Testsite Name: TRIP BLANK EDB
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

Sample Date/Time: 7/6/2005 7:30:00AM
Sampling Method: Unknown
Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

* Well Purged prior to Sample Collection? (Y/N): N

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 7:28:00PM	0.0031	0.0031	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 7:28:00PM	0.0089	0.0089	ug/L	U

Total Parameters Monitored: 2

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: DUP02

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:05:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034311	Chloroethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.8	0.8	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.67	0.67	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	5.9	5.9	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	4.7	4.7	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 5:57:00PM	0.51	0.51	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 5:57:00PM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 5:57:00PM	0.98	0.98	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 5:57:00PM	4	4	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	1.6	1.6	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 5:57:00PM	8.4	8.4	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	0.74	0.74	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	49	1.2	ug/L	
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	460	22	ug/L	
078124	Benzene	N	E84282	8260B	7/13/2005 5:57:00PM	0.27	0.27	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 10:58:00AM	0.0029	0.0029	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	3.3	0.31	mg/L	
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	1.9	1.9	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 5:57:00PM	0.41	0.41	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 5:57:00PM	0.9	0.9	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 5:57:00PM	0.42	0.42	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 5:57:00PM	0.65	0.65	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.64	0.64	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 5:57:00PM	0.15	0.15	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.98	0.98	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 5:57:00PM	0.28	0.28	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 5:57:00PM	0.14	0.14	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 5:57:00PM	1.5	1.5	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	0.71	0.71	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 5:57:00PM	0.5	0.5	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 5:57:00PM	0.14	0.14	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 5:57:00PM	0.44	0.44	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.52	0.52	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	5	5	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	1.7	1.7	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 5:57:00PM	2.5	2.5	ug/L	U
071900	Mercury	N	E84282	245.1	7/11/2005 6:49:00PM	0.072	0.072	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 5:57:00PM	1.2	1.2	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 5:57:00PM	9.9	9.9	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 5:57:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 5:57:00PM	4.4	4.4	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 5:57:00PM	0.52	0.52	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.01	0.01	mg/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 5:57:00PM	0.9	0.9	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 5:57:00PM	0.45	0.45	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20104

WACS Testsite Name: DUP02

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 11:05:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 5:57:00PM	0.52	0.52	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 10:08:00AM	0.25	0.25	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	5.9	5.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	2.5	2.5	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.34	0.34	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.58	0.58	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	1.6	1.6	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	3.6	3.6	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	26	5	mg/L	
000610	Ammonia	N	E84282	350.1	7/15/2005 2:41:00PM	0.04	0.04	mg/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.57	0.57	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:27:00PM	6.4	0.9	mg/L	
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 5:57:00PM	0.44	0.44	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 10:58:00AM	0.0085	0.0085	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.63	0.63	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.46	0.46	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 5:57:00PM	0.44	0.44	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.47	0.47	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 12:26:00PM	4.8	4.8	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.35	0.35	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 5:57:00PM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 5:57:00PM	0.85	0.85	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 5:57:00PM	0.63	0.63	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 5:57:00PM	0.14	0.14	ug/L	U

Total Parameters Monitored: 69

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: EB

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 1:50:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 5:23:00PM	0.52	0.52	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/15/2005 5:23:00PM	4.4	4.4	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 5:23:00PM	0.44	0.44	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 5:23:00PM	0.14	0.14	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	4.8	4.8	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/15/2005 5:23:00PM	0.45	0.45	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.52	0.52	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	5	5	mg/L	U
077424	Iodomethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.67	0.67	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 5:23:00PM	3.8	3.8	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 5:23:00PM	0.65	0.65	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	5.9	5.9	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.34	0.34	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.47	0.47	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/15/2005 5:23:00PM	0.41	0.41	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.64	0.64	ug/L	U
000940	Chloride	N	E84282	325.2	7/14/2005 4:15:00PM	0.9	0.9	mg/L	U
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 5:23:00PM	0.44	0.44	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 5:23:00PM	9.9	9.9	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 5:23:00PM	0.98	0.98	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 5:23:00PM	0.52	0.52	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 5:23:00PM	8.4	8.4	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 5:23:00PM	0.14	0.14	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.57	0.57	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	1.6	1.6	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	22	22	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	1.6	1.6	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 5:23:00PM	4	4	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	0.74	0.74	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	5	5	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	1.2	1.2	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 5:23:00PM	0.34	0.34	ug/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 5:23:00PM	0.51	0.51	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 5:23:00PM	0.44	0.44	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	4.7	4.7	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	1.7	1.7	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.14	0.14	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	0.71	0.71	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.58	0.58	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 8:20:00AM	0.25	0.25	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:29:00PM	0.072	0.072	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	1.9	1.9	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 3:50:00AM	0.0087	0.0087	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 17196

WACS Testsite Name: MWB19D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 7:31:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 7:20:00AM	0.44	0.44	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	6	5.9	ug/L	I
000620	Nitrate Nitrogen	N	E84282	353.2	7/7/2005 2:34:00PM	0.018	0.01	mg/L	I
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.46	0.46	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 7:20:00AM	4	4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/14/2005 7:20:00AM	0.41	0.41	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 7:20:00AM	8.4	8.4	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.66	0.66	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.35	0.35	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/6/2005 7:31:00AM	122.5		ft	
077424	Iodomethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.67	0.67	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	0.74	0.74	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 7:20:00AM	0.58	0.58	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 7:20:00AM	1.5	1.5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 7:20:00AM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 7:20:00AM	0.9	0.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 1:54:00PM	180	5	mg/L	
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 7:20:00AM	0.14	0.14	ug/L	U
000610	Ammonia	N	E84282	350.1	7/15/2005 2:55:00PM	0.068	0.04	mg/L	
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 7:20:00AM	0.65	0.65	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	3.6	3.6	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 7:20:00AM	0.27	0.27	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	110	1.2	ug/L	
001147	Selenium	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	5.9	5.9	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	0.71	0.71	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	4.8	4.8	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 7:20:00AM	0.98	0.98	ug/L	U
000940	Chloride	N	E84282	325.2	7/11/2005 3:33:00PM	4.6	0.9	mg/L	
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.47	0.47	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	3400	22	ug/L	
082079	Turbidity	N	E84282	Field Sampling	7/6/2005 7:31:00AM	17.1		NTU	
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 7:20:00AM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 7:20:00AM	0.14	0.14	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 7:20:00AM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 7:20:00AM	0.28	0.28	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.98	0.98	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	6.6	1.7	ug/L	I
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	8.7	2.5	ug/L	I
001042	Copper	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	5	5	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 7:20:00AM	0.51	0.51	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	1.6	1.6	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	1.9	1.9	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	4.7	0.31	mg/L	
071900	Mercury	N	E84282	245.1	7/11/2005 7:01:00PM	0.072	0.072	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17196

WACS Testsite Name: MWB19D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/6/2005 7:31:00AM

Sampling Method: Unknown

Permitted Well Type: CO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/14/2005 1:14:00PM	1.6	1.6	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.58	0.58	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.57	0.57	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 7:20:00AM	0.52	0.52	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 7:20:00AM	0.52	0.52	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 7:20:00AM	4.4	4.4	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 7:20:00AM	9.9	9.9	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 7:20:00AM	0.34	0.34	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/6/2005 7:31:00AM	7.21		SU	
000094	Specific Conductance	N	E84282	Field Sampling	7/6/2005 7:31:00AM	365		umhos/cm	
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/14/2005 3:12:00PM	0.0031	0.0031	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/6/2005 7:31:00AM	22		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/6/2005 7:31:00AM	0.5		mg/L	
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 7:20:00AM	1.2	1.2	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/14/2005 7:20:00AM	0.45	0.45	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.64	0.64	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 7:20:00AM	0.9	0.9	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.8	0.8	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 7:20:00AM	0.63	0.63	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 7:20:00AM	0.42	0.42	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 7:20:00AM	3.8	3.8	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 7:20:00AM	0.44	0.44	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 7:20:00AM	0.85	0.85	ug/L	U
001067	Nickel	N	E84282	200.7 Rev.4.4	7/14/2005 1:14:00PM	4.7	4.7	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/14/2005 3:12:00PM	0.0089	0.0089	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.63	0.63	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.34	0.34	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.14	0.14	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 11:13:00AM	0.25	0.25	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 7:20:00AM	0.52	0.52	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 7:20:00AM	0.15	0.15	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 7:42:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.98	0.98	ug/L	U

Total Parameters Monitored: 45

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 0
WACS Testsite Name: TRIP BLANK
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 7:42:00AM
Sampling Method: Unknown
Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077651	Ethylene Dibromide	N	E84282	504.1	7/13/2005 4:48:00AM	0.0086	0.0086	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/13/2005 4:48:00AM	0.0029	0.0029	ug/L	U

Total Parameters Monitored: 2

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK 8260

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 8:18:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034311	Chloroethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.8	0.8	ug/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 6:12:00PM	0.51	0.51	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.52	0.52	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 6:12:00PM	0.65	0.65	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.57	0.57	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 6:12:00PM	0.44	0.44	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 6:12:00PM	0.52	0.52	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 6:12:00PM	0.98	0.98	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 6:12:00PM	0.34	0.34	ug/L	U
034501	1,1-Dichloroethylene	N	E84282	8260B	7/15/2005 6:12:00PM	0.45	0.45	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 6:12:00PM	0.52	0.52	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.63	0.63	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 6:12:00PM	4	4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/15/2005 6:12:00PM	0.41	0.41	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 6:12:00PM	8.4	8.4	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.67	0.67	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 6:12:00PM	0.44	0.44	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.34	0.34	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 6:12:00PM	0.14	0.14	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 6:12:00PM	1.2	1.2	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 6:12:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/15/2005 6:12:00PM	4.4	4.4	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 6:12:00PM	9.9	9.9	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 6:12:00PM	0.44	0.44	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 6:12:00PM	0.63	0.63	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 6:12:00PM	0.15	0.15	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 6:12:00PM	0.42	0.42	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 6:12:00PM	0.85	0.85	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.66	0.66	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 6:12:00PM	1.5	1.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 6:12:00PM	0.9	0.9	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 6:12:00PM	0.5	0.5	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.98	0.98	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.46	0.46	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 6:12:00PM	0.14	0.14	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.64	0.64	ug/L	U
032106	Chloroform	N	E84282	8260B	7/15/2005 6:12:00PM	0.9	0.9	ug/L	U
032104	Bromoform	N	E84282	8260B	7/15/2005 6:12:00PM	0.58	0.58	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/15/2005 6:12:00PM	0.28	0.28	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.35	0.35	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.58	0.58	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 6:12:00PM	0.27	0.27	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.47	0.47	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 6:12:00PM	0.14	0.14	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 0
WACS Testsite Name: TRIP BLANK EDB
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 8:18:00AM
Sampling Method: Unknown
Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 5:35:00AM	0.0094	0.0094	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 5:35:00AM	0.0032	0.0032	ug/L	U

Total Parameters Monitored: 2

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

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WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: DUP04

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 8:18:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	3.6	3.6	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	0.74	0.74	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	0.71	0.71	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	1.8	1.7	ug/L	I
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 9:06:00PM	0.52	0.52	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/15/2005 9:06:00PM	0.41	0.41	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	5	5	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.35	0.35	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 9:06:00PM	1.5	1.5	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 8:34:00AM	0.25	0.25	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	5.9	5.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	2.5	2.5	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	3.2	0.31	mg/L	
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	1.9	1.9	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 9:06:00PM	0.14	0.14	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 9:06:00PM	0.9	0.9	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 9:06:00PM	0.65	0.65	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	4.8	4.8	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	1.6	1.6	ug/L	U
000940	Chloride	N	E84282	325.2	7/14/2005 4:16:00PM	5.8	0.9	mg/L	
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 9:06:00PM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/15/2005 9:06:00PM	0.9	0.9	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	1.6	1.6	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	4.7	4.7	ug/L	U

Total Parameters Monitored: 69

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 7:42:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 2:40:00PM	1.2	1.2	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/14/2005 2:40:00PM	0.41	0.41	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.57	0.57	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 2:40:00PM	9.9	9.9	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 2:40:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 2:40:00PM	4.4	4.4	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.63	0.63	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 2:40:00PM	0.52	0.52	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.46	0.46	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 2:40:00PM	0.44	0.44	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 2:40:00PM	0.15	0.15	ug/L	U
034501	1,1-Dichloroethylene	N	E84282	8260B	7/14/2005 2:40:00PM	0.45	0.45	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.52	0.52	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.47	0.47	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.35	0.35	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 2:40:00PM	4	4	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 2:40:00PM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 2:40:00PM	0.85	0.85	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 2:40:00PM	0.42	0.42	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 2:40:00PM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 2:40:00PM	0.9	0.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.64	0.64	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 2:40:00PM	0.65	0.65	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 2:40:00PM	0.14	0.14	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.34	0.34	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 2:40:00PM	0.44	0.44	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 2:40:00PM	8.4	8.4	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.14	0.14	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 2:40:00PM	2.5	2.5	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 2:40:00PM	0.52	0.52	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 2:40:00PM	0.9	0.9	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 2:40:00PM	0.5	0.5	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 2:40:00PM	1.5	1.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 2:40:00PM	0.28	0.28	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 2:40:00PM	0.27	0.27	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 2:40:00PM	0.14	0.14	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 2:40:00PM	0.44	0.44	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 2:40:00PM	0.51	0.51	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 2:40:00PM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 2:40:00PM	0.98	0.98	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/14/2005 2:40:00PM	0.67	0.67	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB34D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 9:23:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	3.6	3.6	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.58	0.58	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 8:16:00PM	0.52	0.52	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:23:00PM	0.072	0.072	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 8:05:00AM	0.25	0.25	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	5.9	5.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	2.5	2.5	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	5.2	0.31	mg/L	
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	1.6	1.6	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	5.9	5.9	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 8:16:00PM	2.5	2.5	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	5	5	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	1.6	1.6	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	1.7	1.7	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	0.71	0.71	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	82	1.2	ug/L	
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	1.9	1.9	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	370	22	ug/L	
039180	Trichloroethene	N	E84282	8260B	7/15/2005 8:16:00PM	0.28	0.28	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 8:16:00PM	1.5	1.5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 8:16:00PM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 8:16:00PM	0.9	0.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	160	5	mg/L	
000610	Ammonia	N	E84282	350.1	7/16/2005 12:42:00PM	0.12	0.04	mg/L	
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 8:16:00PM	0.44	0.44	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 8:16:00PM	8.4	8.4	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.98	0.98	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 8:16:00PM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 8:16:00PM	0.14	0.14	ug/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 8:16:00PM	1.7	0.51	ug/L	
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 8:16:00PM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 8:16:00PM	0.98	0.98	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/15/2005 8:16:00PM	0.41	0.41	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	4.7	4.7	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 8:16:00PM	4	4	ug/L	U
000940	Chloride	N	E84282	325.2	7/14/2005 4:14:00PM	5.7	0.9	mg/L	
034413	Bromomethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.66	0.66	ug/L	U
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 9:23:00AM	1.1		mg/L	
077103	2-Hexanone	N	E84282	8260B	7/15/2005 8:16:00PM	4.4	4.4	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 8:16:00PM	0.14	0.14	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.64	0.64	ug/L	U
032106	Chloroform	N	E84282	8260B	7/15/2005 8:16:00PM	0.9	0.9	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.8	0.8	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB34D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 9:23:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 3:09:00AM	0.009	0.009	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 8:16:00PM	0.85	0.85	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 8:16:00PM	0.65	0.65	ug/L	U
032104	Bromoform	N	E84282	8260B	7/15/2005 8:16:00PM	0.58	0.58	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 8:16:00PM	9.9	9.9	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.35	0.35	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 8:16:00PM	1.2	1.2	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 8:16:00PM	0.42	0.42	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 8:16:00PM	0.45	0.27	ug/L	I
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	4.8	4.8	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 8:16:00PM	0.63	0.63	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/7/2005 9:23:00AM	117.94		ft	
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 8:16:00PM	0.15	0.15	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/15/2005 8:16:00PM	0.45	0.45	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.52	0.52	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.47	0.47	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.14	0.14	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 8:16:00PM	0.52	0.52	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.63	0.63	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.34	0.34	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 3:09:00AM	0.0031	0.0031	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 8:16:00PM	0.44	0.44	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 9:23:00AM	362		umhos/cm	
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 9:23:00AM	21.5		Degrees C	
000406	Field pH	N	E84282	Field Sampling	7/7/2005 9:23:00AM	7.08		SU	
077424	Iodomethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.67	0.67	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 8:16:00PM	3.8	3.8	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.46	0.46	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 8:16:00PM	0.57	0.57	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 9:23:00AM	1.1		NTU	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 4:47:00PM	0.74	0.74	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 20109
WACS Testsite Name: MWB34I
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

Sample Date/Time: 7/7/2005 9:55:00AM
Sampling Method: Unknown
Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

* Well Purged prior to Sample Collection? (Y/N): Y

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
000406	Field pH	N	E84282	Field Sampling	7/7/2005 9:55:00AM	5.33		SU	
072020	Water Level	N	E84282	Field Sampling	7/7/2005 9:55:00AM	117.96		ft	
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	1.6	1.6	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	4.7	4.7	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	5.9	5.9	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	1.9	1.9	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 7:51:00PM	0.63	0.63	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.14	0.14	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	1.6	1.6	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.57	0.57	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	0.71	0.71	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 9:55:00AM	22.1		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 9:55:00AM	1.2		mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 9:55:00AM	44		umhos/cm	
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 9:55:00AM	14.2		NTU	
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	5.9	5.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	28	5	mg/L	
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	1.7	1.7	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	5	5	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 7:51:00PM	4	4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/15/2005 7:51:00PM	0.41	0.41	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 7:51:00PM	8.4	8.4	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.67	0.67	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	3.1	0.31	mg/L	
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.34	0.34	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 7:51:00PM	0.65	0.65	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	470	22	ug/L	
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 7:51:00PM	0.34	0.34	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 7:58:00AM	0.25	0.25	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.8	0.8	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 7:51:00PM	0.44	0.44	ug/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 7:51:00PM	0.51	0.51	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 7:51:00PM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 7:51:00PM	0.14	0.14	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	48	1.2	ug/L	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	0.74	0.74	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.64	0.64	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 7:51:00PM	0.44	0.44	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 7:51:00PM	0.27	0.27	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 7:51:00PM	1.2	1.2	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 7:51:00PM	9.9	9.9	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 7:51:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/15/2005 7:51:00PM	4.4	4.4	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 7:51:00PM	0.52	0.52	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20109

WACS Testsite Name: MWB34I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 9:55:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
032106	Chloroform	N	E84282	8260B	7/15/2005 7:51:00PM	0.9	0.9	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 7:51:00PM	0.42	0.42	ug/L	U
032104	Bromoform	N	E84282	8260B	7/15/2005 7:51:00PM	0.58	0.58	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.52	0.52	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/15/2005 7:51:00PM	0.45	0.45	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.47	0.47	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.46	0.46	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.63	0.63	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 2:48:00AM	0.0089	0.0089	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 2:48:00AM	0.0031	0.0031	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 7:51:00PM	0.52	0.52	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 7:51:00PM	1.5	1.5	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 7:51:00PM	0.14	0.14	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	2.5	2.5	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	3.6	3.6	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 4:41:00PM	4.8	4.8	ug/L	U
000940	Chloride	N	E84282	325.2	7/14/2005 4:14:00PM	6.9	0.9	mg/L	
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 7:51:00PM	2.5	2.5	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.58	0.58	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 7:51:00PM	0.5	0.5	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.35	0.35	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.98	0.98	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/15/2005 7:51:00PM	0.28	0.28	ug/L	U
000610	Ammonia	N	E84282	350.1	7/16/2005 12:42:00PM	0.047	0.04	mg/L	I
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 7:51:00PM	0.15	0.15	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 7:51:00PM	0.85	0.85	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/15/2005 7:51:00PM	0.66	0.66	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:21:00PM	0.072	0.072	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 7:51:00PM	0.9	0.9	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 7:51:00PM	0.98	0.98	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20108

WACS Testsite Name: MWB34S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 10:12:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 7:26:00PM	0.14	0.14	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 7:26:00PM	4	4	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 7:26:00PM	0.85	0.85	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 7:26:00PM	0.42	0.42	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 7:26:00PM	0.63	0.63	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 7:26:00PM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 7:26:00PM	0.98	0.98	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 7:26:00PM	0.44	0.44	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 7:26:00PM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/15/2005 7:26:00PM	0.28	0.28	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.98	0.98	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 7:26:00PM	1.5	1.5	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 10:12:00AM	4551		umhos/cm	
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 7:26:00PM	0.9	0.9	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.58	0.58	ug/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 7:26:00PM	0.51	0.51	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.63	0.63	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.14	0.14	ug/L	U
000940	Chloride	N	E84282	325.2	7/14/2005 4:30:00PM	540	0.9	mg/L	
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.46	0.46	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	15	5	ug/L	I
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	9.6	1.6	ug/L	I
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	19	1.7	ug/L	
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.47	0.47	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	2000	5	mg/L	
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	0.71	0.71	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 7:26:00PM	0.14	0.14	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	0.74	0.74	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/15/2005 7:26:00PM	0.45	0.45	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	1.6	1.6	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/7/2005 10:12:00AM	118.09		ft	
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	29	1.2	ug/L	
000610	Ammonia	N	E84282	350.1	7/16/2005 12:42:00PM	190	0.04	mg/L	
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	530	22	ug/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	11	4.8	ug/L	
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 10:12:00AM	18.8		NTU	
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 7:26:00PM	0.15	0.15	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 7:26:00PM	0.53	0.27	ug/L	I
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 7:26:00PM	1.2	1.2	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 7:26:00PM	110	9.9	ug/L	
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 7:26:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/15/2005 7:26:00PM	4.4	4.4	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20108

WACS Testsite Name: MWB34S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 10:12:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034418	Chloromethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.64	0.64	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 2:27:00AM	0.003	0.003	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.34	0.34	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.52	0.52	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.35	0.35	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 10:12:00AM	24.4		Degrees C	
032104	Bromoform	N	E84282	8260B	7/15/2005 7:26:00PM	0.58	0.58	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.67	0.67	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 7:26:00PM	150	8.4	ug/L	
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	7.8	3.6	ug/L	
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 2:27:00AM	0.0087	0.0087	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 7:26:00PM	0.44	0.44	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	5.9	5.9	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	1.9	1.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	31	2.5	ug/L	
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	5.9	5.9	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 4:35:00PM	520	1.6	mg/L	
001059	Thallium	N	E87052	200.8	7/17/2005 7:51:00AM	0.25	0.25	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:20:00PM	0.072	0.072	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/7/2005 10:12:00AM	6.58		SU	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 10:12:00AM	0.5		mg/L	
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 7:26:00PM	0.44	0.44	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.57	0.57	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 7:26:00PM	0.52	0.52	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 7:26:00PM	0.52	0.52	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/15/2005 7:26:00PM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/15/2005 7:26:00PM	0.9	0.9	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 7:26:00PM	0.65	0.65	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 4:29:00PM	50	4.7	ug/L	
077596	Methylene bromide	N	E84282	8260B	7/15/2005 7:26:00PM	0.41	0.41	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 7:26:00PM	0.5	0.5	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20107

WACS Testsite Name: MWB33S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 10:31:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 10:31:00AM	49.8		NTU	
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 8:41:00PM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 8:41:00PM	0.9	0.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	100	5	mg/L	
000940	Chloride	N	E84282	325.2	7/14/2005 4:15:00PM	20	0.9	mg/L	
000610	Ammonia	N	E84282	350.1	7/16/2005 12:42:00PM	0.33	0.04	mg/L	
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 8:41:00PM	2.5	2.5	ug/L	U
001010	Beryllium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	0.74	0.74	ug/L	U
001025	Cadmium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	0.71	0.71	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 8:41:00PM	0.14	0.14	ug/L	U
001075	Silver	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	1.9	1.9	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 8:41:00PM	0.52	0.52	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 10:31:00AM	180		umhos/cm	
039180	Trichloroethene	N	E84282	8260B	7/15/2005 8:41:00PM	0.28	0.28	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/7/2005 10:31:00AM	116.37		ft	
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 3:30:00AM	0.0087	0.0087	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.46	0.46	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.34	0.34	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.47	0.47	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/7/2005 10:31:00AM	5.48		SU	
034501	1,1-Dichloroethene	N	E84282	8260B	7/15/2005 8:41:00PM	0.45	0.45	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 8:41:00PM	0.15	0.15	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 8:41:00PM	0.44	0.44	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.57	0.57	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 8:41:00PM	0.52	0.52	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.52	0.52	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	18	1.2	ug/L	
001030	Chromium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	1.7	1.7	ug/L	U
001035	Cobalt	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	1.6	1.6	ug/L	U
001040	Copper	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	5	5	ug/L	U
001046	Iron	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	330	22	ug/L	
001049	Lead	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	1.6	1.6	ug/L	U
001000	Arsenic	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	4.8	4.8	ug/L	U
001145	Selenium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	5.9	5.9	ug/L	U
001095	Antimony	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	3.6	3.6	ug/L	U
000930	Sodium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	9.4	0.31	mg/L	
001085	Vanadium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	6.8	2.5	ug/L	I
001090	Zinc	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	5.9	5.9	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 8:41:00PM	1.5	1.5	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	4.8	4.8	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 8:41:00PM	8.4	8.4	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	0.74	0.74	ug/L	U
001065	Nickel	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	4.7	4.7	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20107

WACS Testsite Name: MWB33S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 10:31:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.98	0.98	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 8:41:00PM	4	4	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 8:41:00PM	0.98	0.98	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 8:41:00PM	0.34	0.34	ug/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 8:41:00PM	0.51	0.51	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 8:41:00PM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 8:41:00PM	0.14	0.14	ug/L	U
001005	Barium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:09:00PM	18	1.2	ug/L	
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.63	0.63	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	3.6	3.6	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	9.7	0.31	mg/L	
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 8:41:00PM	3.8	3.8	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 8:41:00PM	0.85	0.85	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 8:13:00AM	0.25	0.25	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.67	0.67	ug/L	U
071890	Mercury	Y	E84282	245.1	7/12/2005 4:27:00PM	0.072	0.072	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	1.8	1.7	ug/L	I
001057	Thallium	Y	E87052	200.8	7/17/2005 3:05:00PM	0.25	0.25	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 8:41:00PM	9.9	9.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	7.3	2.5	ug/L	I
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	320	22	ug/L	
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	5.9	5.9	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	4.7	4.7	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	1.6	1.6	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	1.6	1.6	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/15/2005 8:41:00PM	4.4	4.4	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	5	5	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 3:30:00AM	0.003	0.003	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:25:00PM	0.072	0.072	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	5.9	5.9	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 8:41:00PM	0.65	0.65	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	1.9	1.9	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 8:41:00PM	1.2	1.2	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.14	0.14	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 8:41:00PM	0.44	0.44	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.64	0.64	ug/L	U
032106	Chloroform	N	E84282	8260B	7/15/2005 8:41:00PM	0.9	0.9	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.8	0.8	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 8:41:00PM	0.63	0.63	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 8:41:00PM	0.42	0.42	ug/L	U
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 10:31:00AM	1.4		mg/L	
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 4:52:00PM	0.71	0.71	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/15/2005 8:41:00PM	0.41	0.41	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.66	0.66	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 8:41:00PM	0.27	0.27	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 10:31:00AM	23.4		Degrees C	
032104	Bromoform	N	E84282	8260B	7/15/2005 8:41:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.35	0.35	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 8:41:00PM	0.58	0.58	ug/L	U

Total Parameters Monitored: 93

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB 32 I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 11:17:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 5:13:00PM	1.2		mg/L	
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.63	0.63	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 6:17:00AM	0.0089	0.0089	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 6:17:00AM	0.0031	0.0031	ug/L	U
072020	Water Level	N	E84282	Field Sampling	7/7/2005 5:13:00PM	118.47		ft	
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 5:13:00PM	117.1		NTU	
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 5:13:00PM	20.9		Degrees C	
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 5:13:00PM	41		umhos/cm	
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 4:44:00PM	1.2	1.2	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 4:44:00PM	0.44	0.44	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/7/2005 5:13:00PM	5.36		SU	
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.14	0.14	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 4:44:00PM	9.9	9.9	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.52	0.52	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 4:44:00PM	0.14	0.14	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 4:44:00PM	4.4	4.4	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 4:44:00PM	0.15	0.15	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.57	0.57	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 4:44:00PM	0.52	0.52	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 4:44:00PM	0.52	0.52	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.47	0.47	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/14/2005 4:44:00PM	0.45	0.45	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.66	0.66	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.46	0.46	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.67	0.67	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.34	0.34	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 4:44:00PM	0.14	0.14	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 4:44:00PM	3.8	3.8	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.64	0.64	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.8	0.8	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 4:44:00PM	0.63	0.63	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 4:44:00PM	0.44	0.44	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 4:44:00PM	0.85	0.85	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 4:44:00PM	0.9	0.9	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 4:44:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.35	0.35	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.58	0.58	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 4:44:00PM	0.27	0.27	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 4:44:00PM	0.65	0.65	ug/L	U
000940	Chloride	N	E84282	325.2	7/15/2005 9:31:00AM	8	0.9	mg/L	
077596	Methylene bromide	N	E84282	8260B	7/14/2005 4:44:00PM	0.41	0.41	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 4:44:00PM	4	4	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 4:44:00PM	0.98	0.98	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB 32 I

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 11:17:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 4:44:00PM	0.34	0.34	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 4:44:00PM	0.42	0.42	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	1.9	1.9	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	4.7	4.7	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 4:44:00PM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 4:44:00PM	0.28	0.28	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 4:44:00PM	0.98	0.98	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 4:44:00PM	1.5	1.5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 4:44:00PM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 4:44:00PM	0.9	0.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/13/2005 12:54:00PM	62	5	mg/L	
000610	Ammonia	N	E84282	350.1	7/14/2005 1:26:00PM	0.04	0.04	mg/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	58	1.2	ug/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	4.8	4.8	ug/L	U
001040	Copper	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	5	5	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	0.74	0.74	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	0.71	0.71	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	7.8	1.7	ug/L	I
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	1.6	1.6	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	5	5	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	620	22	ug/L	
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	8.1	1.6	ug/L	
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 4:44:00PM	8.4	8.4	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 4:44:00PM	0.44	0.44	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	2.8	0.31	mg/L	
001046	Iron	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	240	22	ug/L	
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	8	2.5	ug/L	I
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	11	5.9	ug/L	I
001095	Antimony	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	11	3.6	ug/L	
001000	Arsenic	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	4.8	4.8	ug/L	U
001005	Barium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	30	1.2	ug/L	
001010	Beryllium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	0.74	0.74	ug/L	U
001025	Cadmium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	0.71	0.71	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	3.6	3.6	ug/L	U
001030	Chromium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	1.7	1.7	ug/L	U
071890	Mercury	Y	E84282	245.1	7/12/2005 4:43:00PM	0.072	0.072	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 4:44:00PM	0.51	0.51	ug/L	U
001049	Lead	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	1.6	1.6	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 12:16:00PM	5.9	5.9	ug/L	U
001065	Nickel	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	4.7	4.7	ug/L	U
001145	Selenium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	5.9	5.9	ug/L	U
001075	Silver	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	1.9	1.9	ug/L	U
000930	Sodium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	2.8	0.31	mg/L	
001085	Vanadium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	2.5	2.5	ug/L	U
001090	Zinc	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	5.9	5.9	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 1:53:00PM	0.25	0.25	ug/L	U
001057	Thallium	Y	E87052	200.8	7/17/2005 3:41:00PM	0.26	0.25	ug/L	I
071900	Mercury	N	E84282	245.1	7/12/2005 4:42:00PM	0.072	0.072	ug/L	U
001035	Cobalt	Y	E84282	200.7 Rev 4.4	7/13/2005 2:20:00PM	1.6	1.6	ug/L	U

Total Parameters Monitored: 93

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB 32 D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 11:34:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 5:09:00PM	0.52	0.52	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.57	0.57	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.14	0.14	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 5:13:00PM	21		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 5:13:00PM	0.8		mg/L	
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 5:13:00PM	145		umhos/cm	
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 5:13:00PM	6.8		NTU	
072020	Water Level	N	E84282	Field Sampling	7/7/2005 5:13:00PM	118.27		ft	
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 5:09:00PM	0.44	0.44	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 6:59:00AM	0.0086	0.0086	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 5:09:00PM	0.14	0.14	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.46	0.46	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 5:09:00PM	0.52	0.52	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.47	0.47	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.52	0.52	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/14/2005 5:09:00PM	0.45	0.45	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 5:09:00PM	0.98	0.98	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	4.7	4.7	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 6:59:00AM	0.003	0.003	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 5:09:00PM	9.9	9.9	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.66	0.66	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 5:09:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.35	0.35	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.58	0.58	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 5:09:00PM	0.27	0.27	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 5:09:00PM	1.2	1.2	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 5:09:00PM	0.85	0.85	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 5:09:00PM	0.9	0.9	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 5:09:00PM	0.65	0.65	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.34	0.34	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 5:09:00PM	0.42	0.42	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 5:09:00PM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.8	0.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 5:09:00PM	4.4	4.4	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.64	0.64	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 5:09:00PM	0.15	0.15	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.63	0.63	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 5:09:00PM	3.8	3.8	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
000406	Field pH	N	E84282	Field Sampling	7/7/2005 5:13:00PM	6.19		SU	
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 5:09:00PM	8.4	8.4	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 5:09:00PM	4	4	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 5:09:00PM	0.34	0.34	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 5:09:00PM	0.51	0.51	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB 32 D

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 11:34:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 5:09:00PM	0.44	0.44	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 5:09:00PM	0.44	0.44	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 5:09:00PM	2.5	2.5	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:45:00PM	0.072	0.072	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.98	0.98	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 5:09:00PM	1.5	1.5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 5:09:00PM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 5:09:00PM	0.9	0.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/13/2005 12:54:00PM	82	5	mg/L	
000940	Chloride	N	E84282	325.2	7/15/2005 9:32:00AM	7	0.9	mg/L	
077424	Iodomethane	N	E84282	8260B	7/14/2005 5:09:00PM	0.67	0.67	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	3.6	3.6	ug/L	U
000610	Ammonia	N	E84282	350.1	7/14/2005 1:28:00PM	0.076	0.04	mg/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	4.8	4.8	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	52	1.2	ug/L	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	0.74	0.74	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	0.71	0.71	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	1.7	1.7	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	1.6	1.6	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	5	5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 5:09:00PM	0.28	0.28	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	1.6	1.6	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	880	22	ug/L	
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	5.9	5.9	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	1.9	1.9	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	4.9	0.31	mg/L	
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	2.5	2.5	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 12:22:00PM	5.9	5.9	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 2:00:00PM	0.25	0.25	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 5:09:00PM	0.14	0.14	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/14/2005 5:09:00PM	0.41	0.41	ug/L	U

Total Parameters Monitored: 75

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB 32 S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 11:56:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
072020	Water Level	N	E84282	Field Sampling	7/7/2005 5:13:00PM	117.69		ft	
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 3:29:00PM	0.44	0.44	ug/L	U
071890	Mercury	Y	E84282	245.1	7/12/2005 4:39:00PM	0.072	0.072	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 3:29:00PM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.67	0.67	ug/L	U
001065	Nickel	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	5.7	4.7	ug/L	I
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 3:29:00PM	0.63	0.63	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.47	0.47	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 5:13:00PM	23.2		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 5:13:00PM	0.8		mg/L	
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 3:29:00PM	0.14	0.14	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 5:13:00PM	29		NTU	
034418	Chloromethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.64	0.64	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 5:56:00AM	0.003	0.003	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 5:56:00AM	0.0088	0.0088	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.63	0.63	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 3:29:00PM	1.2	1.2	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.14	0.14	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 3:29:00PM	4	4	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.52	0.52	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/14/2005 3:29:00PM	0.45	0.45	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 3:29:00PM	0.15	0.15	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 5:13:00PM	728		umhos/cm	
078124	Benzene	N	E84282	8260B	7/14/2005 3:29:00PM	0.27	0.27	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 3:29:00PM	1.5	1.5	ug/L	U
001057	Thallium	Y	E87052	200.8	7/17/2005 3:34:00PM	0.71	0.25	ug/L	I
001059	Thallium	N	E87052	200.8	7/17/2005 1:45:00PM	0.25	0.25	ug/L	U
001090	Zinc	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	5.9	5.9	ug/L	U
001085	Vanadium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	2.5	2.5	ug/L	U
000930	Sodium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	48	0.31	mg/L	
001075	Silver	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	1.9	1.9	ug/L	U
001145	Selenium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	5.9	5.9	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:38:00PM	0.072	0.072	ug/L	U
001046	Iron	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	640	22	ug/L	
077596	Methylene bromide	N	E84282	8260B	7/14/2005 3:29:00PM	0.41	0.41	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.34	0.34	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.58	0.58	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.35	0.35	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 3:29:00PM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 3:29:00PM	0.85	0.85	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 3:29:00PM	0.42	0.42	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 3:29:00PM	57	9.9	ug/L	
034311	Chloroethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.8	0.8	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB 32 S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 11:56:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 3:29:00PM	3.8	3.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 3:29:00PM	0.9	0.9	ug/L	U
001049	Lead	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	1.6	1.6	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	3	2.5	ug/L	I
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 3:29:00PM	0.9	0.9	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 3:29:00PM	0.98	0.98	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 3:29:00PM	0.34	0.34	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 3:29:00PM	0.51	0.51	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 3:29:00PM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 3:29:00PM	0.14	0.14	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	40	1.2	ug/L	
039180	Trichloroethene	N	E84282	8260B	7/14/2005 3:29:00PM	0.28	0.28	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/7/2005 5:13:00PM	6.23		SU	
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 3:29:00PM	0.5	0.5	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 3:29:00PM	2.5	2.5	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/13/2005 12:54:00PM	470	5	mg/L	
000940	Chloride	N	E84282	325.2	7/15/2005 9:31:00AM	85	0.9	mg/L	
000610	Ammonia	N	E84282	350.1	7/14/2005 1:24:00PM	1.2	0.04	mg/L	
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	3.6	3.6	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	4.8	4.8	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.57	0.57	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 3:29:00PM	0.65	0.65	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	0.74	0.74	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	1.6	1.6	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 3:29:00PM	4.4	4.4	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 3:29:00PM	0.52	0.52	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.98	0.98	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 3:29:00PM	0.52	0.52	ug/L	U
001040	Copper	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	5	5	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 3:29:00PM	0.46	0.46	ug/L	U
001095	Antimony	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	3.6	3.6	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 3:29:00PM	63	8.4	ug/L	
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	5	5	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	580	22	ug/L	
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	1.6	1.6	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	6.5	4.7	ug/L	I
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	5.9	5.9	ug/L	U
001030	Chromium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	2.5	1.7	ug/L	I
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	1.9	1.9	ug/L	U
001035	Cobalt	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	1.6	1.6	ug/L	U
001025	Cadmium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	0.71	0.71	ug/L	U
001010	Beryllium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	0.74	0.74	ug/L	U
001005	Barium	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	37	1.2	ug/L	
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	0.71	0.71	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	5.9	5.9	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	4	1.7	ug/L	I
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 12:10:00PM	57	0.31	mg/L	
001000	Arsenic	Y	E84282	200.7 Rev 4.4	7/13/2005 2:15:00PM	4.8	4.8	ug/L	U

Total Parameters Monitored: 93

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: EB

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 1:50:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 5:23:00PM	0.63	0.63	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.35	0.35	ug/L	U
032104	Bromoform	N	E84282	8260B	7/15/2005 5:23:00PM	0.58	0.58	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	5.9	5.9	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 5:23:00PM	0.42	0.42	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 5:23:00PM	1.2	1.2	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	0.31	0.31	mg/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 5:23:00PM	0.85	0.85	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 5:23:00PM	0.27	0.27	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.46	0.46	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.8	0.8	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 3:50:00AM	0.003	0.003	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 5:23:00PM	0.15	0.15	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 5:23:00PM	2.5	2.5	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.66	0.66	ug/L	U
032106	Chloroform	N	E84282	8260B	7/15/2005 5:23:00PM	0.9	0.9	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.98	0.98	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/15/2005 5:23:00PM	0.28	0.28	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 5:23:00PM	1.5	1.5	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 5:23:00PM	0.63	0.63	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 5:23:00PM	0.5	0.5	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	3.6	3.6	ug/L	U
000610	Ammonia	N	E84282	350.1	7/16/2005 12:42:00PM	0.04	0.04	mg/L	U
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 5:23:00PM	0.9	0.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 4:58:00PM	2.5	2.5	ug/L	U

Total Parameters Monitored: 69

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: FB

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 2:00:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077103	2-Hexanone	N	E84282	8260B	7/15/2005 5:47:00PM	4.4	4.4	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 5:47:00PM	0.44	0.44	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.34	0.34	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	3.6	3.6	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 5:47:00PM	3.8	3.8	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/15/2005 5:47:00PM	1.5	1.5	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.57	0.57	ug/L	U
000940	Chloride	N	E84282	325.2	7/14/2005 4:16:00PM	0.9	0.9	mg/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 5:47:00PM	0.52	0.52	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/15/2005 5:47:00PM	0.52	0.52	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.52	0.52	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 5:47:00PM	0.5	0.5	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 5:47:00PM	0.44	0.44	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	5	5	mg/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.46	0.46	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 5:47:00PM	0.14	0.14	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.018	0.01	mg/L	I
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	0.71	0.71	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	4.8	4.8	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	1.2	1.2	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	0.74	0.74	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	4.7	4.7	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.67	0.67	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 5:47:00PM	1.2	1.2	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	1.6	1.6	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/15/2005 5:47:00PM	0.9	0.9	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/15/2005 5:47:00PM	0.41	0.41	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 5:47:00PM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/15/2005 5:47:00PM	0.28	0.28	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.98	0.98	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	1.6	1.6	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 5:47:00PM	9.9	9.9	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 5:47:00PM	0.44	0.44	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 5:47:00PM	0.27	0.27	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 5:47:00PM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 5:47:00PM	0.98	0.98	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	5	5	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.47	0.47	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	22	22	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.58	0.58	ug/L	U
000610	Ammonia	N	E84282	350.1	7/16/2005 12:42:00PM	0.04	0.04	mg/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 5:47:00PM	8.4	8.4	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	0.31	0.31	mg/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 5:47:00PM	0.51	0.51	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: FB

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 2:00:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 5:47:00PM	0.15	0.15	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 4:11:00AM	0.0031	0.0031	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 4:11:00AM	0.0089	0.0089	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.63	0.63	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.14	0.14	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.35	0.35	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/15/2005 5:47:00PM	0.45	0.45	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 5:47:00PM	4	4	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/15/2005 5:47:00PM	0.63	0.63	ug/L	U
032106	Chloroform	N	E84282	8260B	7/15/2005 5:47:00PM	0.9	0.9	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.64	0.64	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	5.9	5.9	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 5:47:00PM	0.42	0.42	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 5:47:00PM	0.14	0.14	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	1.9	1.9	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.8	0.8	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/15/2005 5:47:00PM	0.66	0.66	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	2.5	2.5	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	5.9	5.9	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 8:27:00AM	0.25	0.25	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:31:00PM	0.072	0.072	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 5:04:00PM	1.7	1.7	ug/L	U
032104	Bromoform	N	E84282	8260B	7/15/2005 5:47:00PM	0.58	0.58	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 5:47:00PM	0.65	0.65	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 5:47:00PM	0.85	0.85	ug/L	U

Total Parameters Monitored: 69

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: DUP04

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 8:18:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/15/2005 9:06:00PM	0.44	0.44	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.57	0.57	ug/L	U
078124	Benzene	N	E84282	8260B	7/15/2005 9:06:00PM	0.27	0.27	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.14	0.14	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	33	1.2	ug/L	
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/15/2005 9:06:00PM	0.15	0.15	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:33:00PM	0.072	0.072	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.46	0.46	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.63	0.63	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 4:32:00AM	0.0087	0.0087	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/15/2005 9:06:00PM	0.45	0.45	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.66	0.66	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.52	0.52	ug/L	U
032104	Bromoform	N	E84282	8260B	7/15/2005 9:06:00PM	0.58	0.58	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/15/2005 9:06:00PM	0.28	0.28	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/15/2005 9:06:00PM	2.5	2.5	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/15/2005 9:06:00PM	0.14	0.14	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/15/2005 9:06:00PM	0.44	0.44	ug/L	U
034010	Toluene	N	E84282	8260B	7/15/2005 9:06:00PM	0.51	0.51	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/15/2005 9:06:00PM	0.34	0.34	ug/L	U
077128	Styrene	N	E84282	8260B	7/15/2005 9:06:00PM	0.98	0.98	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/15/2005 9:06:00PM	0.42	0.42	ug/L	U
081552	Acetone	N	E84282	8260B	7/15/2005 9:06:00PM	9.9	9.9	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.47	0.47	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 4:32:00AM	0.003	0.003	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/15/2005 9:06:00PM	0.5	0.5	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.58	0.58	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	14	5	mg/L	
034215	Acrylonitrile	N	E84282	8260B	7/15/2005 9:06:00PM	1.2	1.2	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.98	0.98	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/15/2005 9:06:00PM	3.8	3.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/15/2005 9:06:00PM	4.4	4.4	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/15/2005 9:06:00PM	0.52	0.52	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/15/2005 9:06:00PM	0.85	0.85	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 2:49:00PM	0.01	0.01	mg/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.34	0.34	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/15/2005 9:06:00PM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.67	0.67	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/15/2005 9:06:00PM	8.4	8.4	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	450	22	ug/L	
034423	Methylene Chloride	N	E84282	8260B	7/15/2005 9:06:00PM	4	4	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 5:10:00PM	5.9	5.9	ug/L	U
000610	Ammonia	N	E84282	350.1	7/16/2005 12:42:00PM	0.04	0.04	mg/L	U
034418	Chloromethane	N	E84282	8260B	7/15/2005 9:06:00PM	0.64	0.64	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Appendix B

STL Laboratory Reports – Ground Water Sample Points

STL

ANALYTICAL REPORT

Job Number: 660-3007-1

Job Description: Semi-annual Phase I-V/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/21/2005

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3007-1	**MWB29S**					
Total Dissolved Solids		24		5.0	mg/L	160.1
Chloride		13		1.0	mg/L	325.2
Nitrate Nitrogen		0.017	I	0.050	mg/L	353.2
Total Recoverable						
Barium		30		10	ug/L	200.7 Rev 4.4
Iron		600		50	ug/L	200.7 Rev 4.4
Sodium		6.9		0.50	mg/L	200.7 Rev 4.4
Thallium		0.54	I	1.0	ug/L	200.8
660-3007-2	**MWB29D**					
Total Dissolved Solids		34		5.0	mg/L	160.1
Chloride		6.4		1.0	mg/L	325.2
Ammonia		0.066		0.050	mg/L	350.1
Total Recoverable						
Barium		55		10	ug/L	200.7 Rev 4.4
Iron		850		50	ug/L	200.7 Rev 4.4
Sodium		3.7		0.50	mg/L	200.7 Rev 4.4
Thallium		0.59	I	1.0	ug/L	200.8
660-3007-3	**MWB29I**					
Total Dissolved Solids		10		5.0	mg/L	160.1
Chloride		5.0		1.0	mg/L	325.2
Total Recoverable						
Barium		48		10	ug/L	200.7 Rev 4.4
Iron		470		50	ug/L	200.7 Rev 4.4
Sodium		3.4		0.50	mg/L	200.7 Rev 4.4
660-3007-4FD	**DUP02**					
Total Dissolved Solids		26		5.0	mg/L	160.1
Chloride		6.4		1.0	mg/L	325.2
Total Recoverable						
Barium		49		10	ug/L	200.7 Rev 4.4
Iron		460		50	ug/L	200.7 Rev 4.4
Sodium		3.3		0.50	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3007-5	**MWB27D**					
Total Dissolved Solids		62		5.0	mg/L	160.1
Chloride		6.3		1.0	mg/L	325.2
Ammonia		0.069		0.050	mg/L	350.1
Total Recoverable						
Barium		59		10	ug/L	200.7 Rev 4.4
Iron		1100		50	ug/L	200.7 Rev 4.4
Sodium		3.8		0.50	mg/L	200.7 Rev 4.4
660-3007-6	**MWB27S**					
Total Dissolved Solids		70		5.0	mg/L	160.1
Chloride		2.7		1.0	mg/L	325.2
Nitrate Nitrogen		0.51		0.050	mg/L	353.2
Total Recoverable						
Barium		13		10	ug/L	200.7 Rev 4.4
Chromium		2.2	I	10	ug/L	200.7 Rev 4.4
Iron		160		50	ug/L	200.7 Rev 4.4
Sodium		1.6		0.50	mg/L	200.7 Rev 4.4
Vanadium		12		10	ug/L	200.7 Rev 4.4
Zinc		7.3	I	20	ug/L	200.7 Rev 4.4
660-3007-7	**MWB27I**					
Total Dissolved Solids		16		5.0	mg/L	160.1
Chloride		6.0		1.0	mg/L	325.2
Ammonia		0.046	I	0.050	mg/L	350.1
Nitrate Nitrogen		0.015	I	0.050	mg/L	353.2
Total Recoverable						
Barium		55		10	ug/L	200.7 Rev 4.4
Iron		510		50	ug/L	200.7 Rev 4.4
Sodium		3.4		0.50	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3007-8	**MWB22S**					
Total Dissolved Solids		140		5.0	mg/L	160.1
Chloride		9.3		1.0	mg/L	325.2
Ammonia		0.12		0.050	mg/L	350.1
Nitrate Nitrogen		0.74		0.050	mg/L	353.2
Total Recoverable						
Barium		5.0	I	10	ug/L	200.7 Rev 4.4
Iron		78		50	ug/L	200.7 Rev 4.4
Sodium		6.3		0.50	mg/L	200.7 Rev 4.4
Vanadium		11		10	ug/L	200.7 Rev 4.4
660-3007-9	**MWB11S**					
Total Dissolved Solids		70		5.0	mg/L	160.1
Chloride		17		1.0	mg/L	325.2
Nitrate Nitrogen		0.16		0.050	mg/L	353.2
Total Recoverable						
Barium		65		10	ug/L	200.7 Rev 4.4
Iron		460		50	ug/L	200.7 Rev 4.4
Sodium		8.8		0.50	mg/L	200.7 Rev 4.4
Vanadium		3.4	I	10	ug/L	200.7 Rev 4.4
660-3007-10	**MWB11I(R)**					
Total Dissolved Solids		44		5.0	mg/L	160.1
Chloride		9.1		1.0	mg/L	325.2
Nitrate Nitrogen		0.011	I	0.050	mg/L	353.2
Dissolved						
Barium		31		10	ug/L	200.7 Rev 4.4
Iron		360		50	ug/L	200.7 Rev 4.4
Sodium		3.1		0.50	mg/L	200.7 Rev 4.4
Thallium		0.60	I	1.0	ug/L	200.8
Total Recoverable						
Barium		80		10	ug/L	200.7 Rev 4.4
Chromium		24		10	ug/L	200.7 Rev 4.4
Iron		1400		50	ug/L	200.7 Rev 4.4
Sodium		3.3		0.50	mg/L	200.7 Rev 4.4
Lead		7.5		5.0	ug/L	200.7 Rev 4.4
Vanadium		39		10	ug/L	200.7 Rev 4.4

SEVERN TRENT STL

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3007-11	**MWB19D**					
Total Dissolved Solids		180		5.0	mg/L	160.1
Chloride		4.6		1.0	mg/L	325.2
Ammonia		0.068		0.050	mg/L	350.1
Nitrate Nitrogen		0.018	I	0.050	mg/L	353.2
Total Recoverable						
Barium		110		10	ug/L	200.7 Rev 4.4
Chromium		6.6	I	10	ug/L	200.7 Rev 4.4
Iron		3400		50	ug/L	200.7 Rev 4.4
Sodium		4.7		0.50	mg/L	200.7 Rev 4.4
Vanadium		8.7	I	10	ug/L	200.7 Rev 4.4
Zinc		6.0	I	20	ug/L	200.7 Rev 4.4
660-3007-12FD	**DUP01**					
Total Dissolved Solids		180		5.0	mg/L	160.1
Chloride		4.7		1.0	mg/L	325.2
Ammonia		0.062		0.050	mg/L	350.1
Nitrate Nitrogen		0.019	I	0.050	mg/L	353.2
Total Recoverable						
Barium		110		10	ug/L	200.7 Rev 4.4
Beryllium		0.80	I	4.0	ug/L	200.7 Rev 4.4
Chromium		6.1	I	10	ug/L	200.7 Rev 4.4
Iron		3100		50	ug/L	200.7 Rev 4.4
Sodium		4.7		0.50	mg/L	200.7 Rev 4.4
Vanadium		7.3	I	10	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3007-13	**MWB2S**					
Mercury		0.095	I	0.20	ug/L	245.1
Total Dissolved Solids		120		5.0	mg/L	160.1
Chloride		17		1.0	mg/L	325.2
Dissolved						
Barium		7.1	I	10	ug/L	200.7 Rev 4.4
Chromium		2.0	I	10	ug/L	200.7 Rev 4.4
Iron		390		50	ug/L	200.7 Rev 4.4
Sodium		4.3		0.50	mg/L	200.7 Rev 4.4
Vanadium		3.6	I	10	ug/L	200.7 Rev 4.4
Total Recoverable						
Barium		16		10	ug/L	200.7 Rev 4.4
Chromium		4.6	I	10	ug/L	200.7 Rev 4.4
Iron		980		50	ug/L	200.7 Rev 4.4
Sodium		4.3		0.50	mg/L	200.7 Rev 4.4
Lead		4.6	I	5.0	ug/L	200.7 Rev 4.4
Vanadium		5.9	I	10	ug/L	200.7 Rev 4.4
Zinc		61		20	ug/L	200.7 Rev 4.4
660-3007-14	**MWB2I**					
Total Dissolved Solids		22		5.0	mg/L	160.1
Chloride		8.6		1.0	mg/L	325.2
Total Recoverable						
Barium		23		10	ug/L	200.7 Rev 4.4
Iron		380		50	ug/L	200.7 Rev 4.4
Sodium		4.5		0.50	mg/L	200.7 Rev 4.4
660-3007-15	**MWB3S**					
Total Dissolved Solids		14		5.0	mg/L	160.1
Chloride		4.2		1.0	mg/L	325.2
Total Recoverable						
Barium		9.6	I	10	ug/L	200.7 Rev 4.4
Iron		130		50	ug/L	200.7 Rev 4.4
Sodium		2.5		0.50	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-3007-16	**MWB3I**				
Total Dissolved Solids		18	5.0	mg/L	160.1
Chloride		5.0	1.0	mg/L	325.2
Total Recoverable					
Barium		22	10	ug/L	200.7 Rev 4.4
Iron		630	50	ug/L	200.7 Rev 4.4
Sodium		3.3	0.50	mg/L	200.7 Rev 4.4
660-3007-17	**MWB31D**				
Total Dissolved Solids		190	5.0	mg/L	160.1
Chloride		5.9	1.0	mg/L	325.2
Ammonia		0.11	0.050	mg/L	350.1
Total Recoverable					
Barium		92	10	ug/L	200.7 Rev 4.4
Iron		640	50	ug/L	200.7 Rev 4.4
Sodium		6.4	0.50	mg/L	200.7 Rev 4.4
660-3007-18FD	**DUP03**				
Total Dissolved Solids		190	5.0	mg/L	160.1
Chloride		5.9	1.0	mg/L	325.2
Ammonia		0.11	0.050	mg/L	350.1
Total Recoverable					
Barium		92	10	ug/L	200.7 Rev 4.4
Iron		640	50	ug/L	200.7 Rev 4.4
Sodium		6.4	0.50	mg/L	200.7 Rev 4.4
660-3007-19	**MWB17I**				
Total Dissolved Solids		8.0	5.0	mg/L	160.1
Chloride		5.3	1.0	mg/L	325.2
Ammonia		0.063	0.050	mg/L	350.1
Total Recoverable					
Barium		37	10	ug/L	200.7 Rev 4.4
Iron		310	50	ug/L	200.7 Rev 4.4
Sodium		3.2	0.50	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3007-20	**MWB17S**					
Total Dissolved Solids		34		5.0	mg/L	160.1
Chloride		10		1.0	mg/L	325.2
Ammonia		0.14		0.050	mg/L	350.1
Total Recoverable						
Barium		6.0	I	10	ug/L	200.7 Rev 4.4
Iron		360		50	ug/L	200.7 Rev 4.4
Sodium		4.6		0.50	mg/L	200.7 Rev 4.4

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METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3007-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-TAM	SW846 8260B	
Purge-and-Trap	STL-TAM		SW846 5030B
EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography	STL-TAM	EPA-01 504.1	
EDB, DBCP, and 123TCP in Water by	STL-TAM		EPA-DW 504.1
ICP Metals by 200.7	STL-TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL-TAM		40CFR136A 200.7 Appx C
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
ICPMS Metals by 200.8 CWA	STL-SAV	EPA 200.8	
Total Recoverable Metals for 200.8	STL-SAV		MCAWW 4.1.4
Sample Filtration performed in the Field	STL-SAV		FIELD_FLTRD
Mercury in Water by CVAA	STL-TAM	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-TAM		EPA 245.1
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
Field Sampling	STL-TAM	EPA Field Sampling	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-TAM	MCAWW 160.1	
Chloride (Colorimetric, Automated Ferricyanide, AAI	STL-TAM	MCAWW 325.2	
Nitrogen (Ammonia, Colorimetric, Automated Phenate)	STL-TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAM	MCAWW 353.2	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3007-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3007-1	MWB29S	Water	07/06/2005 1138	07/07/2005 0815
660-3007-2	MWB29D	Water	07/06/2005 1120	07/07/2005 0815
660-3007-3	MWB29I	Water	07/06/2005 1105	07/07/2005 0815
660-3007-4FD	DUP02	Water	07/06/2005 1105	07/07/2005 0815
660-3007-5	MWB27D	Water	07/06/2005 1027	07/07/2005 0815
660-3007-6	MWB27S	Water	07/06/2005 0955	07/07/2005 0815
660-3007-7	MWB27I	Water	07/06/2005 0939	07/07/2005 0815
660-3007-8	MWB22S	Water	07/06/2005 0854	07/07/2005 0815
660-3007-9	MWB11S	Water	07/06/2005 0833	07/07/2005 0815
660-3007-10	MWB11I(R)	Water	07/06/2005 0814	07/07/2005 0815
660-3007-11	MWB19D	Water	07/06/2005 0731	07/07/2005 0815
660-3007-12FD	DUP01	Water	07/06/2005 0731	07/07/2005 0815
660-3007-13	MWB2S	Water	07/06/2005 1238	07/07/2005 0815
660-3007-14	MWB2I	Water	07/06/2005 1219	07/07/2005 0815
660-3007-15	MWB3S	Water	07/06/2005 1410	07/07/2005 0815
660-3007-16	MWB3I	Water	07/06/2005 1350	07/07/2005 0815
660-3007-17	MWB31D	Water	07/06/2005 1309	07/07/2005 0815
660-3007-18FD	DUP03	Water	07/06/2005 1309	07/07/2005 0815
660-3007-19	MWB17I	Water	07/06/2005 1450	07/07/2005 0815
660-3007-20	MWB17S	Water	07/06/2005 1509	07/07/2005 0815
660-3007-21TB	TRIP BLANK 8260 APPI	Water	07/06/2005 0730	07/07/2005 0815
660-3007-22TB	TRIP BLANK EDB	Water	07/06/2005 0730	07/07/2005 0815

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB29S**

Lab Sample ID: 660-3007-1
Client Matrix: Water

Date Sampled: 07/06/2005 1138
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1643
Date Prepared: 07/13/2005 1643

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1311.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB29S**

Lab Sample ID: 660-3007-1
Client Matrix: Water

Date Sampled: 07/06/2005 1138
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1643
Date Prepared: 07/13/2005 1643

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1311.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	85	74 - 126
Dibromofluoromethane	80	70 - 130
Toluene-d8	92	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB29D**

Lab Sample ID: 660-3007-2
Client Matrix: Water

Date Sampled: 07/06/2005 1120
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1708
Date Prepared: 07/13/2005 1708

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1312.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB29D**

Lab Sample ID: 660-3007-2
Client Matrix: Water

Date Sampled: 07/06/2005 1120
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1708
Date Prepared: 07/13/2005 1708

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1312.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	82	70 - 130
Toluene-d8	95	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29I

Lab Sample ID: 660-3007-3
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1732
Date Prepared: 07/13/2005 1732

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1313.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB29I**

Lab Sample ID: 660-3007-3
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1732
Date Prepared: 07/13/2005 1732

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1313.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	74 - 126
Dibromofluoromethane	88	70 - 130
Toluene-d8	96	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **DUP02**

Lab Sample ID: 660-3007-4FD
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1757
Date Prepared: 07/13/2005 1757

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1314.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **DUP02**

Lab Sample ID: 660-3007-4FD
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1757
Date Prepared: 07/13/2005 1757

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1314.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	87	74 - 126
Dibromofluoromethane	88	70 - 130
Toluene-d8	98	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27D**

Lab Sample ID: 660-3007-5
Client Matrix: Water

Date Sampled: 07/06/2005 1027
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1822
Date Prepared: 07/13/2005 1822

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1315.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27D**

Lab Sample ID: 660-3007-5
Client Matrix: Water

Date Sampled: 07/06/2005 1027
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1822
Date Prepared: 07/13/2005 1822

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1315.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	77	70 - 130
Toluene-d8	101	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27S**

Lab Sample ID: 660-3007-6
Client Matrix: Water

Date Sampled: 07/06/2005 0955
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1847
Date Prepared: 07/13/2005 1847

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1316.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27S**

Lab Sample ID: 660-3007-6
Client Matrix: Water

Date Sampled: 07/06/2005 0955
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1847
Date Prepared: 07/13/2005 1847

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1316.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	74 - 126
Dibromofluoromethane	80	70 - 130
Toluene-d8	101	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB27I

Lab Sample ID: 660-3007-7
Client Matrix: Water

Date Sampled: 07/06/2005 0939
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1912
Date Prepared: 07/13/2005 1912

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1317.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27I**

Lab Sample ID: 660-3007-7
Client Matrix: Water

Date Sampled: 07/06/2005 0939
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1912
Date Prepared: 07/13/2005 1912

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1317.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92	74 - 126
Dibromofluoromethane	85	70 - 130
Toluene-d8	103	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB22S**

Lab Sample ID: 660-3007-8
Client Matrix: Water

Date Sampled: 07/06/2005 0854
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1937
Date Prepared: 07/13/2005 1937

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1318.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB22S**

Lab Sample ID: 660-3007-8
Client Matrix: Water

Date Sampled: 07/06/2005 0854
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1937
Date Prepared: 07/13/2005 1937

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1318.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	81	74 - 126
Dibromofluoromethane	78	70 - 130
Toluene-d8	95	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB11S**

Lab Sample ID: 660-3007-9
Client Matrix: Water

Date Sampled: 07/06/2005 0833
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 2001
Date Prepared: 07/13/2005 2001

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1319.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB11S**

Lab Sample ID: 660-3007-9
Client Matrix: Water

Date Sampled: 07/06/2005 0833
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 2001
Date Prepared: 07/13/2005 2001

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1319.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	91	70 - 130
Toluene-d8	95	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB11I(R)

Lab Sample ID: 660-3007-10
Client Matrix: Water

Date Sampled: 07/06/2005 0814
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1626
Date Prepared: 07/15/2005 1626

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1511.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB11I(R)**

Lab Sample ID: 660-3007-10
Client Matrix: Water

Date Sampled: 07/06/2005 0814
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1626
Date Prepared: 07/15/2005 1626

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1511.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	89	74 - 126
Dibromofluoromethane	82	70 - 130
Toluene-d8	92	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB19D

Lab Sample ID: 660-3007-11
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0720
Date Prepared: 07/14/2005 0720

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1409.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB19D**

Lab Sample ID: 660-3007-11
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0720
Date Prepared: 07/14/2005 0720

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1409.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	82	74 - 126
Dibromofluoromethane	85	70 - 130
Toluene-d8	87	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP01

Lab Sample ID: 660-3007-12FD
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0744
Date Prepared: 07/14/2005 0744

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1410.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP01

Lab Sample ID: 660-3007-12FD
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0744
Date Prepared: 07/14/2005 0744

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1410.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	85	74 - 126
Dibromofluoromethane	90	70 - 130
Toluene-d8	99	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2S

Lab Sample ID: 660-3007-13
Client Matrix: Water

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0809
Date Prepared: 07/14/2005 0809

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1411.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB2S**

Lab Sample ID: 660-3007-13
Client Matrix: Water

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0809
Date Prepared: 07/14/2005 0809

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1411.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	85	74 - 126
Dibromofluoromethane	89	70 - 130
Toluene-d8	98	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2I

Lab Sample ID: 660-3007-14
Client Matrix: Water

Date Sampled: 07/06/2005 1219
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0834
Date Prepared: 07/14/2005 0834

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1412.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2I

Lab Sample ID: 660-3007-14
Client Matrix: Water

Date Sampled: 07/06/2005 1219
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0834
Date Prepared: 07/14/2005 0834

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1412.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	82	74 - 126
Dibromofluoromethane	82	70 - 130
Toluene-d8	94	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB3S**

Lab Sample ID: 660-3007-15
Client Matrix: Water

Date Sampled: 07/06/2005 1410
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0859
Date Prepared: 07/14/2005 0859

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1413.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB3S**

Lab Sample ID: 660-3007-15
Client Matrix: Water

Date Sampled: 07/06/2005 1410
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0859
Date Prepared: 07/14/2005 0859

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1413.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	89	70 - 130
Toluene-d8	102	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB3I

Lab Sample ID: 660-3007-16
Client Matrix: Water

Date Sampled: 07/06/2005 1350
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0924
Date Prepared: 07/14/2005 0924

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1414.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB3I

Lab Sample ID: 660-3007-16
Client Matrix: Water

Date Sampled: 07/06/2005 1350
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0924
Date Prepared: 07/14/2005 0924

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1414.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	80	70 - 130
Toluene-d8	95	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB31D**

Lab Sample ID: 660-3007-17
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0948
Date Prepared: 07/14/2005 0948

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1415.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB31D**

Lab Sample ID: 660-3007-17
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 0948
Date Prepared: 07/14/2005 0948

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1415.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92	74 - 126
Dibromofluoromethane	79	70 - 130
Toluene-d8	103	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **DUP03**

Lab Sample ID: 660-3007-18FD
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1013
Date Prepared: 07/14/2005 1013

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1416.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP03

Lab Sample ID: 660-3007-18FD
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1013
Date Prepared: 07/14/2005 1013

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1416.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	89	74 - 126
Dibromofluoromethane	80	70 - 130
Toluene-d8	93	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB17I

Lab Sample ID: 660-3007-19
Client Matrix: Water

Date Sampled: 07/06/2005 1450
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1038
Date Prepared: 07/14/2005 1038

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1417.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB17I**

Lab Sample ID: 660-3007-19
Client Matrix: Water

Date Sampled: 07/06/2005 1450
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1038
Date Prepared: 07/14/2005 1038

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1417.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	86	74 - 126
Dibromofluoromethane	76	70 - 130
Toluene-d8	96	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB17S**

Lab Sample ID: 660-3007-20
Client Matrix: Water

Date Sampled: 07/06/2005 1509
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1103
Date Prepared: 07/14/2005 1103

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1418.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB17S**

Lab Sample ID: 660-3007-20
Client Matrix: Water

Date Sampled: 07/06/2005 1509
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1103
Date Prepared: 07/14/2005 1103

Analysis Batch: 660-10266

Instrument ID: BVME GC/MS
Lab File ID: 1EG1418.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	74 - 126
Dibromofluoromethane	86	70 - 130
Toluene-d8	107	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **TRIP BLANK 8260 APPI**

Lab Sample ID: 660-3007-21TB
Client Matrix: Water

Date Sampled: 07/06/2005 0730
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1619
Date Prepared: 07/13/2005 1619

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1310.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **TRIP BLANK 8260 APPI**

Lab Sample ID: 660-3007-21TB
Client Matrix: Water

Date Sampled: 07/06/2005 0730
Date Received: 07/07/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 1619
Date Prepared: 07/13/2005 1619

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 1EG1310.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	74 - 126
Dibromofluoromethane	95	70 - 130
Toluene-d8	95	77 - 122

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29S

Lab Sample ID: 660-3007-1
Client Matrix: Water

Date Sampled: 07/06/2005 1138
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 0955
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S007.D
Initial Weight/Volume: 34.1581 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB29D**

Lab Sample ID: 660-3007-2
Client Matrix: Water

Date Sampled: 07/06/2005 1120
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1016
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S008.D
Initial Weight/Volume: 34.2820 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB29I**

Lab Sample ID: 660-3007-3
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1037
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S009.D
Initial Weight/Volume: 35.8592 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.020
Ethylene Dibromide	0.0085	U	0.0085	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP02

Lab Sample ID: 660-3007-4FD
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1058
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S010.D
Initial Weight/Volume: 35.9541 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.019
Ethylene Dibromide	0.0085	U	0.0085	0.019

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27D**

Lab Sample ID: 660-3007-5
Client Matrix: Water

Date Sampled: 07/06/2005 1027
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1201
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S013.D
Initial Weight/Volume: 35.1742 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27S**

Lab Sample ID: 660-3007-6
Client Matrix: Water

Date Sampled: 07/06/2005 0955
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1244
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S015.D
Initial Weight/Volume: 35.4900 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB27I**

Lab Sample ID: 660-3007-7
Client Matrix: Water

Date Sampled: 07/06/2005 0939
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1305
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S016.D
Initial Weight/Volume: 35.4737 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB22S**

Lab Sample ID: 660-3007-8
Client Matrix: Water

Date Sampled: 07/06/2005 0854
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1326
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S017.D
Initial Weight/Volume: 35.4528 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB11S**

Lab Sample ID: 660-3007-9
Client Matrix: Water

Date Sampled: 07/06/2005 0833
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1347
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S018.D
Initial Weight/Volume: 32.7032 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0032	U	0.0032	0.021
Ethylene Dibromide	0.0093	U	0.0093	0.021

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB11I(R)**

Lab Sample ID: 660-3007-10
Client Matrix: Water

Date Sampled: 07/06/2005 0814
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1451
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S021.D
Initial Weight/Volume: 35.0528 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB19D**

Lab Sample ID: 660-3007-11
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1512
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S022.D
Initial Weight/Volume: 34.4005 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP01

Lab Sample ID: 660-3007-12FD
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1534
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S023.D
Initial Weight/Volume: 34.0890 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.021
Ethylene Dibromide	0.0089	U	0.0089	0.021

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2S

Lab Sample ID: 660-3007-13
Client Matrix: Water

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1618
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S025.D
Initial Weight/Volume: 34.9568 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB2I**

Lab Sample ID: 660-3007-14
Client Matrix: Water

Date Sampled: 07/06/2005 1219
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1639
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S026.D
Initial Weight/Volume: 34.8719 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB3S**

Lab Sample ID: 660-3007-15
Client Matrix: Water

Date Sampled: 07/06/2005 1410
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1700
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S027.D
Initial Weight/Volume: 34.3608 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB3I**

Lab Sample ID: 660-3007-16
Client Matrix: Water

Date Sampled: 07/06/2005 1350
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1721
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S028.D
Initial Weight/Volume: 34.2358 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB31D**

Lab Sample ID: 660-3007-17
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1743
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S029.D
Initial Weight/Volume: 35.6060 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: ***DUP03***

Lab Sample ID: 660-3007-18FD
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1804
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S030.D
Initial Weight/Volume: 35.3020 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB17I**

Lab Sample ID: 660-3007-19
Client Matrix: Water

Date Sampled: 07/06/2005 1450
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1907
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S033.D
Initial Weight/Volume: 35.3329 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **MWB17S**

Lab Sample ID: 660-3007-20
Client Matrix: Water

Date Sampled: 07/06/2005 1509
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/13/2005 0304
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S050.D
Initial Weight/Volume: 36.1646 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.019
Ethylene Dibromide	0.0084	U	0.0084	0.019

Analytical Data

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: **TRIP BLANK EDB**

Lab Sample ID: 660-3007-22TB
Client Matrix: Water

Date Sampled: 07/06/2005 0730
Date Received: 07/07/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/14/2005 1928
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S034.D
Initial Weight/Volume: 34.0666 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.021
Ethylene Dibromide	0.0089	U	0.0089	0.021

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29S

Lab Sample ID: 660-3007-1
Client Matrix: Water

Date Sampled: 07/06/2005 1138
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1059
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	6.9		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1059
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	30		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	600		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0918
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.54	I	0.25	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29S

Lab Sample ID: 660-3007-1
Client Matrix: Water

Date Sampled: 07/06/2005 1138
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1836
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29D

Lab Sample ID:	660-3007-2	Date Sampled:	07/06/2005 1120
Client Matrix:	Water	Date Received:	07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 660-10188		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-10090		Lab File ID:	5G14A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/14/2005 1208			Final Weight/Volume:	50 mL
Date Prepared:	07/13/2005 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.7		0.31	0.50

Method:	200.7 Rev 4.4	Analysis Batch: 660-10188		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-10090		Lab File ID:	5G14A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/14/2005 1208			Final Weight/Volume:	50 mL
Date Prepared:	07/13/2005 1115				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	55		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	850		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method:	200.8	Analysis Batch: 680-16342		Instrument ID:	ICP MS
Preparation:	4.1.4	Prep Batch: 680-16007		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/17/2005 0954			Final Weight/Volume:	250 mL
Date Prepared:	07/14/2005 0950				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.59	I	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29D

Lab Sample ID: 660-3007-2
Client Matrix: Water

Date Sampled: 07/06/2005 1120
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1842
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29I

Lab Sample ID: 660-3007-3
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1220
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.4		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1220
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	48		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	470		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1001
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB29I

Lab Sample ID: 660-3007-3
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1847
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP02

Lab Sample ID: 660-3007-4FD
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1226
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.3		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1226
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	49		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	460		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1008
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP02

Lab Sample ID: 660-3007-4FD
Client Matrix: Water

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1849
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB27D

Lab Sample ID: 660-3007-5
Client Matrix: Water

Date Sampled: 07/06/2005 1027
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1244
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.8		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1244
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	59		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	1100		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1030
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB27D

Lab Sample ID: 660-3007-5
Client Matrix: Water

Date Sampled: 07/06/2005 1027
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1851
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB27S

Lab Sample ID: 660-3007-6
Client Matrix: Water

Date Sampled: 07/06/2005 0955
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1250
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	1.6		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1250
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	13		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	2.2	I	1.7	10
Copper	5.0	U	5.0	20
Iron	160		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	12		2.5	10
Zinc	7.3	I	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1037
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB27S

Lab Sample ID: 660-3007-6
Client Matrix: Water

Date Sampled: 07/06/2005 0955
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1853
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB27I

Lab Sample ID: 660-3007-7
Client Matrix: Water

Date Sampled: 07/06/2005 0939
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1256
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.4		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1256
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	55		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	510		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1044
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB27I

Lab Sample ID: 660-3007-7
Client Matrix: Water

Date Sampled: 07/06/2005 0939
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1855
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB22S

Lab Sample ID: 660-3007-8
Client Matrix: Water

Date Sampled: 07/06/2005 0854
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1302
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	6.3		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1302
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	5.0	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	78		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	11		2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1052
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB22S

Lab Sample ID: 660-3007-8
Client Matrix: Water

Date Sampled: 07/06/2005 0854
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: *1.0*
Date Analyzed: 07/11/2005 1856
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: *50 mL*
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB11S

Lab Sample ID: 660-3007-9
Client Matrix: Water

Date Sampled: 07/06/2005 0833
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1308
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	8.8		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1308
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	65		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	460		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	3.4	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1059
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB11S

Lab Sample ID: 660-3007-9
Client Matrix: Water

Date Sampled: 07/06/2005 0833
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1858
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB11I(R)

Lab Sample ID: 660-3007-10
Client Matrix: Water

Date Sampled: 07/06/2005 0814
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1041
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.3		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1041
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	80		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	24		1.7	10
Copper	5.0	U	5.0	20
Iron	1400		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	7.5		1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	39		2.5	10
Zinc	5.9	U	5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1340
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.1		0.31	0.50

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB11I(R)

Lab Sample ID:	660-3007-10	Date Sampled:	07/06/2005 0814
Client Matrix:	Water	Date Received:	07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-9970	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1340		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0904		

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	31		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	360		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method:	200.8	Analysis Batch: 680-16342	Instrument ID: ICP MS
Preparation:	4.1.4	Prep Batch: 680-16007	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 1106		Final Weight/Volume: 250 mL
Date Prepared:	07/14/2005 0950		

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB11I(R)

Lab Sample ID: 660-3007-10
Client Matrix: Water

Date Sampled: 07/06/2005 0814
Date Received: 07/07/2005 0815

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1302
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.60	I	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1900
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1825
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB19D

Lab Sample ID: 660-3007-11
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1314
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.7		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1314
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	110		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	6.6	I	1.7	10
Copper	5.0	U	5.0	20
Iron	3400		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	8.7	I	2.5	10
Zinc	6.0	I	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1113
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB19D

Lab Sample ID: 660-3007-11
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1901
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: DUP01

Lab Sample ID: 660-3007-12FD
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1108
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.7		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1108
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	110		1.2	10
Beryllium	0.80	I	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	6.1	I	1.7	10
Copper	5.0	U	5.0	20
Iron	3100		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	7.3	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1121
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP01

Lab Sample ID: 660-3007-12FD
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1903
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2S

Lab Sample ID: 660-3007-13
Client Matrix: Water

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1114
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.3		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1114
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	16		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	4.6	I	1.7	10
Copper	5.0	U	5.0	20
Iron	980		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	4.6	I	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	5.9	I	2.5	10
Zinc	61		5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1346
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.3		0.31	0.50

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2S

Lab Sample ID: 660-3007-13
Client Matrix: Water

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1346
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	7.1	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	2.0	I	1.7	10
Copper	5.0	U	5.0	20
Iron	390		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	3.6	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1128
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2S

Lab Sample ID: 660-3007-13
Client Matrix: Water

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1324
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1909
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.095	I	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1826
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2I

Lab Sample ID: 660-3007-14
Client Matrix: Water

Date Sampled: 07/06/2005 1219
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1132
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.5		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1132
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	23		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	380		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1135
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB2I

Lab Sample ID: 660-3007-14
Client Matrix: Water

Date Sampled: 07/06/2005 1219
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1911
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: MWB3S

Lab Sample ID: 660-3007-15 Date Sampled: 07/06/2005 1410
Client Matrix: Water Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 660-10188		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-10090		Lab File ID:	5G14A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/14/2005 1138			Final Weight/Volume:	50 mL
Date Prepared:	07/13/2005 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	2.5		0.31	0.50

Method:	200.7 Rev 4.4	Analysis Batch: 660-10188		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-10090		Lab File ID:	5G14A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/14/2005 1138			Final Weight/Volume:	50 mL
Date Prepared:	07/13/2005 1115				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	9.6	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	130		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method:	200.8	Analysis Batch: 680-16342		Instrument ID:	ICP MS
Preparation:	4.1.4	Prep Batch: 680-16007		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/17/2005 1157			Final Weight/Volume:	250 mL
Date Prepared:	07/14/2005 0950				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB3S

Lab Sample ID: 660-3007-15
Client Matrix: Water

Date Sampled: 07/06/2005 1410
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1913
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB3I

Lab Sample ID: 660-3007-16
Client Matrix: Water

Date Sampled: 07/06/2005 1350
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1144
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.3		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1144
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	22		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	630		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1204
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB3I

Lab Sample ID: 660-3007-16
Client Matrix: Water

Date Sampled: 07/06/2005 1350
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1915
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB31D

Lab Sample ID: 660-3007-17
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1150
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	6.4		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1150
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	92		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	640		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1211
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB31D

Lab Sample ID: 660-3007-17
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1918
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP03

Lab Sample ID: 660-3007-18FD
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1156
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	6.4		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1156
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	92		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	640		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1219
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: DUP03

Lab Sample ID: 660-3007-18FD
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1919
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB17I

Lab Sample ID: 660-3007-19
Client Matrix: Water

Date Sampled: 07/06/2005 1450
Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1202
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.2		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/14/2005 1202
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	37		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	310		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1226
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB17I

Lab Sample ID: 660-3007-19
Client Matrix: Water

Date Sampled: 07/06/2005 1450
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1921
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: MWB17S

Lab Sample ID: 660-3007-20 Date Sampled: 07/06/2005 1509
Client Matrix: Water Date Received: 07/07/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4 Analysis Batch: 660-10188 Instrument ID: TJA ICP TRACE
Preparation: 200.7 Appx C Prep Batch: 660-10090 Lab File ID: 5G14A
Dilution: 1.0 Initial Weight/Volume: 50 mL
Date Analyzed: 07/14/2005 1214 Final Weight/Volume: 50 mL
Date Prepared: 07/13/2005 1115

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.6		0.31	0.50

Method: 200.7 Rev 4.4 Analysis Batch: 660-10188 Instrument ID: TJA ICP TRACE
Preparation: 200.7 Appx C Prep Batch: 660-10090 Lab File ID: 5G14A
Dilution: 1.0 Initial Weight/Volume: 50 mL
Date Analyzed: 07/14/2005 1214 Final Weight/Volume: 50 mL
Date Prepared: 07/13/2005 1115

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	6.0	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	360		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8 Analysis Batch: 680-16342 Instrument ID: ICP MS
Preparation: 4.1.4 Prep Batch: 680-16007 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 50 mL
Date Analyzed: 07/17/2005 1233 Final Weight/Volume: 250 mL
Date Prepared: 07/14/2005 0950

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-3007-1

Client Sample ID: MWB17S

Lab Sample ID: 660-3007-20
Client Matrix: Water

Date Sampled: 07/06/2005 1509
Date Received: 07/07/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1923
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Field Service / Mobile Lab

Client Sample ID: MWB29S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1138
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	6.92		ft	1.0	Field	660-	07/06/2005 1138
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-	07/06/2005 1138
Water Level	131.10		ft	1.0	Field	660-	07/06/2005 1138
Turbidity	1.2		NTU	1.0	Field	660-	07/06/2005 1138
Field pH	4.08		SU	1.0	Field	660-	07/06/2005 1138
Specific Conductance	95		umhos/cm	1.0	Field	660-	07/06/2005 1138
Field Temperature	23.4		Degrees C	1.0	Field	660-	07/06/2005 1138

Client Sample ID: MWB29D

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1120
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	4.13		ft	1.0	Field	660-	07/06/2005 1120
Oxygen, Dissolved	0.8		mg/L	1.0	Field	660-	07/06/2005 1120
Water Level	134.05		ft	1.0	Field	660-	07/06/2005 1120
Turbidity	1.2		NTU	1.0	Field	660-	07/06/2005 1120
Field pH	5.55		SU	1.0	Field	660-	07/06/2005 1120
Specific Conductance	72		umhos/cm	1.0	Field	660-	07/06/2005 1120
Field Temperature	21.7		Degrees C	1.0	Field	660-	07/06/2005 1120

Field Service / Mobile Lab

Client Sample ID: MWB29I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1105
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	3.95		ft	1.0	Field	660-	07/06/2005 1105
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-	07/06/2005 1105
Water Level	134.13		ft	1.0	Field	660-	07/06/2005 1105
Turbidity	11.6		NTU	1.0	Field	660-	07/06/2005 1105
Field pH	5.05		SU	1.0	Field	660-	07/06/2005 1105
Specific Conductance	40		umhos/cm	1.0	Field	660-	07/06/2005 1105
Field Temperature	21.8		Degrees C	1.0	Field	660-	07/06/2005 1105

Client Sample ID: MWB27D

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1027
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.32		ft	1.0	Field	660-	07/06/2005 1027
Oxygen, Dissolved	0.8		mg/L	1.0	Field	660-	07/06/2005 1027
Water Level	123.56		ft	1.0	Field	660-	07/06/2005 1027
Turbidity	0.5		NTU	1.0	Field	660-	07/06/2005 1027
Field pH	5.98		SU	1.0	Field	660-	07/06/2005 1027
Specific Conductance	105		umhos/cm	1.0	Field	660-	07/06/2005 1027
Field Temperature	21.3		Degrees C	1.0	Field	660-	07/06/2005 1027

Field Service / Mobile Lab

Client Sample ID: MWB27S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 0955
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.70		ft	1.0	Field	660-	07/06/2005 0955
Oxygen, Dissolved	0.8		mg/L	1.0	Field	660-	07/06/2005 0955
Water Level	122.72		ft	1.0	Field	660-	07/06/2005 0955
Turbidity	19.6		NTU	1.0	Field	660-	07/06/2005 0955
Field pH	4.58		SU	1.0	Field	660-	07/06/2005 0955
Specific Conductance	48		umhos/cm	1.0	Field	660-	07/06/2005 0955
Field Temperature	22.6		Degrees C	1.0	Field	660-	07/06/2005 0955

Client Sample ID: MWB27I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 0939
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	4.91		ft	1.0	Field	660-	07/06/2005 0939
Oxygen, Dissolved	0.9		mg/L	1.0	Field	660-	07/06/2005 0939
Water Level	123.72		ft	1.0	Field	660-	07/06/2005 0939
Turbidity	12.1		NTU	1.0	Field	660-	07/06/2005 0939
Field pH	5.43		SU	1.0	Field	660-	07/06/2005 0939
Specific Conductance	56		umhos/cm	1.0	Field	660-	07/06/2005 0939
Field Temperature	21.3		Degrees C	1.0	Field	660-	07/06/2005 0939

Field Service / Mobile Lab

Client Sample ID: MWB22S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 0854
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	9.82		ft	1.0	Field	660-	07/06/2005 0854
Oxygen, Dissolved	1.6		mg/L	1.0	Field	660-	07/06/2005 0854
Water Level	117.15		ft	1.0	Field	660-	07/06/2005 0854
Turbidity	6.3		NTU	1.0	Field	660-	07/06/2005 0854
Field pH	5.89		SU	1.0	Field	660-	07/06/2005 0854
Specific Conductance	276		umhos/cm	1.0	Field	660-	07/06/2005 0854
Field Temperature	23.8		Degrees C	1.0	Field	660-	07/06/2005 0854

Client Sample ID: MWB11S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 0833
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	8.85		ft	1.0	Field	660-	07/06/2005 0833
Oxygen, Dissolved	1.4		mg/L	1.0	Field	660-	07/06/2005 0833
Water Level	111.96		ft	1.0	Field	660-	07/06/2005 0833
Turbidity	1.1		NTU	1.0	Field	660-	07/06/2005 0833
Field pH	3.97		SU	1.0	Field	660-	07/06/2005 0833
Specific Conductance	158		umhos/cm	1.0	Field	660-	07/06/2005 0833
Field Temperature	22.2		Degrees C	1.0	Field	660-	07/06/2005 0833

Field Service / Mobile Lab

Client Sample ID: MWB11I(R)

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 0814
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	9.62		ft	1.0	Field	660-	07/06/2005 0814
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-	07/06/2005 0814
Water Level	110.81		ft	1.0	Field	660-	07/06/2005 0814
Turbidity	200.1		NTU	1.0	Field	660-	07/06/2005 0814
Field pH	5.01		SU	1.0	Field	660-	07/06/2005 0814
Specific Conductance	39		umhos/cm	1.0	Field	660-	07/06/2005 0814
Field Temperature	23.6		Degrees C	1.0	Field	660-	07/06/2005 0814

Client Sample ID: MWB19D

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.73		ft	1.0	Field	660-	07/06/2005 0731
Oxygen, Dissolved	0.5		mg/L	1.0	Field	660-	07/06/2005 0731
Water Level	122.50		ft	1.0	Field	660-	07/06/2005 0731
Turbidity	17.1		NTU	1.0	Field	660-	07/06/2005 0731
Field pH	7.21		SU	1.0	Field	660-	07/06/2005 0731
Specific Conductance	365		umhos/cm	1.0	Field	660-	07/06/2005 0731
Field Temperature	22.0		Degrees C	1.0	Field	660-	07/06/2005 0731

Field Service / Mobile Lab

Client Sample ID: MWB2S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	4.69		ft	1.0	Field	660-	07/06/2005 1238
Oxygen, Dissolved	2.0		mg/L	1.0	Field	660-	07/06/2005 1238
Water Level	141.95		ft	1.0	Field	660-	07/06/2005 1238
Turbidity	191.80		NTU	1.0	Field	660-	07/06/2005 1238
Field pH	4.76		SU	1.0	Field	660-	07/06/2005 1238
Specific Conductance	29		umhos/cm	1.0	Field	660-	07/06/2005 1238
Field Temperature	24.7		Degrees C	1.0	Field	660-	07/06/2005 1238

Client Sample ID: MWB2I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1219
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	7.27		ft	1.0	Field	660-	07/06/2005 1219
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-	07/06/2005 1219
Water Level	138.46		ft	1.0	Field	660-	07/06/2005 1219
Turbidity	1.3		NTU	1.0	Field	660-	07/06/2005 1219
Field pH	4.70		SU	1.0	Field	660-	07/06/2005 1219
Specific Conductance	40		umhos/cm	1.0	Field	660-	07/06/2005 1219
Field Temperature	21.3		Degrees C	1.0	Field	660-	07/06/2005 1219

Field Service / Mobile Lab

Client Sample ID: MWB3S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1410
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	4.70		ft	1.0	Field	660-	07/06/2005 1410
Oxygen, Dissolved	23		mg/L	1.0	Field	660-	07/06/2005 1410
Water Level	148.78		ft	1.0	Field	660-	07/06/2005 1410
Turbidity	3.4		NTU	1.0	Field	660-	07/06/2005 1410
Field pH	4.68		SU	1.0	Field	660-	07/06/2005 1410
Specific Conductance	42		umhos/cm	1.0	Field	660-	07/06/2005 1410
Field Temperature	22.1		Degrees C	1.0	Field	660-	07/06/2005 1410

Client Sample ID: MWB3I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1350
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	11.11		ft	1.0	Field	660-	07/06/2005 1350
Oxygen, Dissolved	1.1		mg/L	1.0	Field	660-	07/06/2005 1350
Water Level	140.75		ft	1.0	Field	660-	07/06/2005 1350
Turbidity	0.4		NTU	1.0	Field	660-	07/06/2005 1350
Field pH	4.90		SU	1.0	Field	660-	07/06/2005 1350
Specific Conductance	34		umhos/cm	1.0	Field	660-	07/06/2005 1350
Field Temperature	20.9		Degrees C	1.0	Field	660-	07/06/2005 1350

Field Service / Mobile Lab

Client Sample ID: MWB31D

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	15.92		ft	1.0	Field	660-	07/06/2005 1309
Oxygen, Dissolved	0.6		mg/L	1.0	Field	660-	07/06/2005 1309
Water Level	140.23		ft	1.0	Field	660-	07/06/2005 1309
Turbidity	1.7		NTU	1.0	Field	660-	07/06/2005 1309
Field pH	6.82		SU	1.0	Field	660-	07/06/2005 1309
Specific Conductance	366		umhos/cm	1.0	Field	660-	07/06/2005 1309
Field Temperature	21.5		Degrees C	1.0	Field	660-	07/06/2005 1309

Client Sample ID: MWB17I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1450
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	1.42		ft	1.0	Field	660-	07/06/2005 1450
Oxygen, Dissolved	1.0		mg/L	1.0	Field	660-	07/06/2005 1450
Water Level	137.01		ft	1.0	Field	660-	07/06/2005 1450
Turbidity	0.7		NTU	1.0	Field	660-	07/06/2005 1450
Field pH	4.95		SU	1.0	Field	660-	07/06/2005 1450
Specific Conductance	32		umhos/cm	1.0	Field	660-	07/06/2005 1450
Field Temperature	22.4		Degrees C	1.0	Field	660-	07/06/2005 1450

Field Service / Mobile Lab

Client Sample ID: **MWB17S**

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/06/2005 1509
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.08		ft	1.0	Field	660-	07/06/2005 1509
Oxygen, Dissolved	1.6		mg/L	1.0	Field	660-	07/06/2005 1509
Water Level	133.23		ft	1.0	Field	660-	07/06/2005 1509
Turbidity	12.6		NTU	1.0	Field	660-	07/06/2005 1509
Field pH	5.12		SU	1.0	Field	660-	07/06/2005 1509
Specific Conductance	61		umhos/cm	1.0	Field	660-	07/06/2005 1509
Field Temperature	24.2		Degrees C	1.0	Field	660-	07/06/2005 1509

General Chemistry

Client Sample ID: MWB29S

Lab Sample ID: 660-3007-1
Client Matrix: Water

Date Sampled: 07/06/2005 1138
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1426						
Chloride	13		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1522						
Nitrate Nitrogen	0.017	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	24		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

Client Sample ID: MWB29D

Lab Sample ID: 660-3007-2
Client Matrix: Water

Date Sampled: 07/06/2005 1120
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.066		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1434						
Chloride	6.4		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1525						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	34		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

General Chemistry

Client Sample ID: MWB29I

Lab Sample ID: 660-3007-3 Date Sampled: 07/06/2005 1105
Client Matrix: Water Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1436						
Chloride	5.0		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1526						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	10		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

Client Sample ID: DUP02

Lab Sample ID: 660-3007-4FD Date Sampled: 07/06/2005 1105
Client Matrix: Water Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1441						
Chloride	6.4		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1527						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	26		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

General Chemistry

Client Sample ID: MWB27D

Lab Sample ID: 660-3007-5
Client Matrix: Water

Date Sampled: 07/06/2005 1027
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.069		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10285	Date Analyzed 07/15/2005 1443					
Chloride	6.3		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9953	Date Analyzed 07/11/2005 1530					
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	62		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354					

Client Sample ID: MWB27S

Lab Sample ID: 660-3007-6
Client Matrix: Water

Date Sampled: 07/06/2005 0955
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10285	Date Analyzed 07/15/2005 1445					
Chloride	2.7		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9953	Date Analyzed 07/11/2005 1531					
Nitrate Nitrogen	0.51		mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	70		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354					

General Chemistry

Client Sample ID: MWB27I

Lab Sample ID: 660-3007-7
Client Matrix: Water

Date Sampled: 07/06/2005 0939
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.046	I	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1447						
Chloride	6.0		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1531						
Nitrate Nitrogen	0.015	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	16		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

Client Sample ID: MWB22S

Lab Sample ID: 660-3007-8
Client Matrix: Water

Date Sampled: 07/06/2005 0854
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.12		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1449						
Chloride	9.3		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1532						
Nitrate Nitrogen	0.74		mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	140		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

General Chemistry

Client Sample ID: MWB11S

Lab Sample ID: 660-3007-9
Client Matrix: Water

Date Sampled: 07/06/2005 0833
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1451						
Chloride	17		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1532						
Nitrate Nitrogen	0.16		mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	70		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

Client Sample ID: MWB11I(R)

Lab Sample ID: 660-3007-10
Client Matrix: Water

Date Sampled: 07/06/2005 0814
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1453						
Chloride	9.1		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1533						
Nitrate Nitrogen	0.011	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	44		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

General Chemistry

Client Sample ID: MWB19D

Lab Sample ID: 660-3007-11
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.068		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10285	Date Analyzed 07/15/2005 1455					
Chloride	4.6		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9953	Date Analyzed 07/11/2005 1533					
Nitrate Nitrogen	0.018	I	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	180		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354					

Client Sample ID: DUP01

Lab Sample ID: 660-3007-12FD
Client Matrix: Water

Date Sampled: 07/06/2005 0731
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.062		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10285	Date Analyzed 07/15/2005 1456					
Chloride	4.7		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9953	Date Analyzed 07/11/2005 1534					
Nitrate Nitrogen	0.019	I	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	180		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354					

General Chemistry

Client Sample ID: MWB2S

Lab Sample ID: 660-3007-13
Client Matrix: Water

Date Sampled: 07/06/2005 1238
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1458						
Chloride	17		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1534						
Nitrate Nitrogen	0.050	U	mg/L	0.050	0.25	5.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	120		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

Client Sample ID: MWB2I

Lab Sample ID: 660-3007-14
Client Matrix: Water

Date Sampled: 07/06/2005 1219
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1504						
Chloride	8.6		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1535						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	22		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

General Chemistry

Client Sample ID: MWB3S

Lab Sample ID: 660-3007-15 Date Sampled: 07/06/2005 1410
Client Matrix: Water Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1506						
Chloride	4.2		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1536						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	14		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

Client Sample ID: MWB3I

Lab Sample ID: 660-3007-16 Date Sampled: 07/06/2005 1350
Client Matrix: Water Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1508						
Chloride	5.0		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1537						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	18		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

General Chemistry

Client Sample ID: MWB31D

Lab Sample ID: 660-3007-17
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.11		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10285	Date Analyzed 07/15/2005 1509					
Chloride	5.9		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9953	Date Analyzed 07/11/2005 1537					
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	190		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354					

Client Sample ID: DUP03

Lab Sample ID: 660-3007-18FD
Client Matrix: Water

Date Sampled: 07/06/2005 1309
Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.11		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10285	Date Analyzed 07/15/2005 1511					
Chloride	5.9		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9953	Date Analyzed 07/11/2005 1538					
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	190		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354					

General Chemistry

Client Sample ID: MWB17I

Lab Sample ID: 660-3007-19 Date Sampled: 07/06/2005 1450
Client Matrix: Water Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.063		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1513						
Chloride	5.3		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1538						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	8.0		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

Client Sample ID: MWB17S

Lab Sample ID: 660-3007-20 Date Sampled: 07/06/2005 1509
Client Matrix: Water Date Received: 07/07/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.14		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10285	Date Analyzed 07/15/2005 1514						
Chloride	10		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9953	Date Analyzed 07/11/2005 1539						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9854	Date Analyzed 07/07/2005 1434						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	34		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9999	Date Analyzed 07/11/2005 1354						

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DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3007-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected .
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected .
Metals		
	J3	Estimated value; value may not be accurate. The reported value fails to meet the established quality control criteria for either precision or accuracy.
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10095

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10095/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 2338
Date Prepared: 07/12/2005 2338

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 2EG1208.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10095

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10095/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 2338
Date Prepared: 07/12/2005 2338

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 2EG1208.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	91	70 - 130
Toluene-d8	101	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10095

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10095/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 2224
Date Prepared: 07/12/2005 2224

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 2EG1205.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10095/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1032
Date Prepared: 07/13/2005 1032

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1305.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	76	76	62 - 135	0	37		
Chlorobenzene	73	81	72 - 127	10	22		
1,1-Dichloroethylene	74	76	46 - 147	3	30		
Toluene	76	84	68 - 131	11	33		
Trichloroethene	75	76	56 - 143	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10095

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-2975-E-7 MS	Analysis Batch: 660-10095	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1306.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/13/2005 1057		Final Weight/Volume: 5 mL
Date Prepared:	07/13/2005 1057		

MSD Lab Sample ID:	660-2975-E-7 MSD	Analysis Batch: 660-10095	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1307.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/13/2005 1122		Final Weight/Volume: 5 mL
Date Prepared:	07/13/2005 1122		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	68	82	62 - 135	18	37		
Chlorobenzene	81	93	72 - 127	13	22		
1,1-Dichloroethylene	70	80	46 - 147	13	30		
Toluene	77	90	68 - 131	15	33		
Trichloroethene	68	82	56 - 143	19	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10266

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10266/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 0541
Date Prepared: 07/14/2005 0541

Analysis Batch: 660-10266
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1406.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	*0.85*	U	*0.85*	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10266

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10266/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 0541
Date Prepared: 07/14/2005 0541

Analysis Batch: 660-10266
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1406.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	90	74 - 126
Dibromofluoromethane	87	70 - 130
Toluene-d8	96	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10266

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10266/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 0606
Date Prepared: 07/14/2005 0606

Analysis Batch: 660-10266
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1407.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10266/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 0631
Date Prepared: 07/14/2005 0631

Analysis Batch: 660-10266
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1408.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	90	82	62 - 135	10	37		
Chlorobenzene	95	98	72 - 127	3	22		
1,1-Dichloroethene	84	78	46 - 147	7	30		
Toluene	97	95	68 - 131	2	33		
Trichloroethene	92	82	56 - 143	12	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10266

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-3007-15	Analysis Batch: 660-10266	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1425.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/14/2005 1439		Final Weight/Volume: 5 mL
Date Prepared:	07/14/2005 1439		

MSD Lab Sample ID:	660-3007-15	Analysis Batch: 660-10266	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1426.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/14/2005 1504		Final Weight/Volume: 5 mL
Date Prepared:	07/14/2005 1504		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	79	82	62 - 135	4	37		
Chlorobenzene	100	103	72 - 127	3	22		
1,1-Dichloroethene	76	75	46 - 147	1	30		
Toluene	93	101	68 - 131	8	33		
Trichloroethene	80	82	56 - 143	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10121

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-10121/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0201
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S047.D
Initial Weight/Volume: 34.9942 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10121

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-10121/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0222
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S048.D
Initial Weight/Volume: 35.0632 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10121/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0243
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S049.D
Initial Weight/Volume: 35.2422 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	123	125	70 - 130	1	30		
Ethylene Dibromide	98	101	70 - 130	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10121

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-3007-20	Analysis Batch: 660-10238	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10121	Lab File ID: 1G12S051.D
Dilution:	1.0		Initial Weight/Volume: 36.4305 g
Date Analyzed:	07/13/2005 0324		Final Weight/Volume: 3 mL
Date Prepared:	07/12/2005 1300		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	660-3007-20	Analysis Batch: 660-10238	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10121	Lab File ID: 1G12S052.D
Dilution:	1.0		Initial Weight/Volume: 34.8561 g
Date Analyzed:	07/13/2005 0345		Final Weight/Volume: 3 mL
Date Prepared:	07/12/2005 1300		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	96	102	70 - 130	11	30		
Ethylene Dibromide	88	98	70 - 130	15	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10171

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-10171/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 0852
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S004.D
Initial Weight/Volume: 35.3061 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10171

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-10171/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 0913
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S005.D
Initial Weight/Volume: 35.2102 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10171/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 0934
Date Prepared: 07/13/2005 1300

Analysis Batch: 660-10232
Prep Batch: 660-10171
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S006.D
Initial Weight/Volume: 35.0283 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	111	115	70 - 130	4	30		
Ethylene Dibromide	95	101	70 - 130	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10171

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-3007-4	Analysis Batch: 660-10232	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10171	Lab File ID: 1G14S011.D
Dilution:	1.0		Initial Weight/Volume: 34.4713 g
Date Analyzed:	07/14/2005 1119		Final Weight/Volume: 3 mL
Date Prepared:	07/13/2005 1300		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	660-3007-4	Analysis Batch: 660-10232	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10171	Lab File ID: 1G14S012.D
Dilution:	1.0		Initial Weight/Volume: 34.0205 g
Date Analyzed:	07/14/2005 1140		Final Weight/Volume: 3 mL
Date Prepared:	07/13/2005 1300		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	107	112	70 - 130	6	30		
Ethylene Dibromide	100	112	70 - 130	12	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10090

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-10090/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1017
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-10090

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-10090/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1017
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3007-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10090

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-10090/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1023
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-10090/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1029
Date Prepared: 07/13/2005 1115

Analysis Batch: 660-10188
Prep Batch: 660-10090
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G14A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	103	102	85 - 115	1	20		
Arsenic	99	99	85 - 115	0	20		
Barium	102	102	85 - 115	0	20		
Beryllium	101	100	85 - 115	1	20		
Cadmium	102	101	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	104	103	85 - 115	0	20		
Copper	106	106	85 - 115	1	20		
Iron	102	102	85 - 115	1	20		
Sodium	104	103	85 - 115	1	20		
Nickel	103	102	85 - 115	1	20		
Antimony	96	95	85 - 115	1	20		
Lead	102	101	85 - 115	1	20		
Selenium	102	101	85 - 115	1	20		
Vanadium	104	104	85 - 115	1	20		
Zinc	106	106	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10090

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-3007-10	Analysis Batch:	660-10188	Instrument ID:	TJA ICP TRACE
Client Matrix:	Water	Prep Batch:	660-10090	Lab File ID:	5G14A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/14/2005 1047			Final Weight/Volume:	50 mL
Date Prepared:	07/13/2005 1115				

MSD Lab Sample ID:	660-3007-10	Analysis Batch:	660-10188	Instrument ID:	TJA ICP TRACE
Client Matrix:	Water	Prep Batch:	660-10090	Lab File ID:	5G14A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/14/2005 1053			Final Weight/Volume:	50 mL
Date Prepared:	07/13/2005 1115				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	101	101	85 - 115	0	20		
Arsenic	96	96	85 - 115	1	20		
Barium	102	102	85 - 115	0	20		
Beryllium	102	101	85 - 115	1	20		
Cadmium	99	99	85 - 115	1	20		
Cobalt	100	100	85 - 115	0	20		
Chromium	103	103	85 - 115	0	20		
Copper	106	106	85 - 115	0	20		
Iron	200	207	85 - 115	2	20	J3	J3
Sodium	104	105	85 - 115	1	20		
Nickel	100	99	85 - 115	1	20		
Antimony	89	89	85 - 115	0	20		
Lead	99	98	85 - 115	0	20		
Selenium	99	99	85 - 115	1	20		
Vanadium	103	103	85 - 115	0	20		
Zinc	105	104	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

LCS Lab Sample ID: LCS 660-9970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1258
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1304
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	100	98	85 - 115	2	20		
Arsenic	102	99	85 - 115	3	20		
Barium	102	100	85 - 115	2	20		
Beryllium	100	97	85 - 115	3	20		
Cadmium	102	99	85 - 115	3	20		
Cobalt	102	100	85 - 115	3	20		
Chromium	101	98	85 - 115	3	20		
Copper	102	100	85 - 115	2	20		
Iron	103	100	85 - 115	2	20		
Sodium	100	99	85 - 115	1	20		
Nickel	105	101	85 - 115	3	20		
Antimony	96	93	85 - 115	3	20		
Lead	102	100	85 - 115	3	20		
Selenium	103	101	85 - 115	3	20		
Vanadium	102	99	85 - 115	3	20		
Zinc	111	107	85 - 115	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

MS Lab Sample ID:	660-2975-K-9-C MS*D	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9970	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1322		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0904		

MSD Lab Sample ID:	660-2975-K-9-D MSD*D	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9970	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1328		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0904		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	99	99	85 - 115	0	20		
Arsenic	100	100	85 - 115	0	20		
Barium	101	101	85 - 115	0	20		
Beryllium	98	99	85 - 115	0	20		
Cadmium	100	100	85 - 115	0	20		
Cobalt	100	101	85 - 115	1	20		
Chromium	100	100	85 - 115	1	20		
Copper	101	101	85 - 115	0	20		
Iron	102	101	85 - 115	1	20		
Sodium	101	100	85 - 115	1	20		
Nickel	102	103	85 - 115	0	20		
Antimony	95	95	85 - 115	0	20		
Lead	100	100	85 - 115	0	20		
Selenium	101	101	85 - 115	0	20		
Vanadium	101	101	85 - 115	0	20		
Zinc	108	109	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 680-16007

Method: 200.8
Preparation: 4.1.4
Total Recoverable

Lab Sample ID: MB 680-16007/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0842
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-16007

Method: 200.8
Preparation: 4.1.4
Total Recoverable

LCS Lab Sample ID: LCS 680-16007/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0903
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 680-16007/23-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0910
Date Prepared: 07/14/2005 0950

Analysis Batch: 680-16342
Prep Batch: 680-16007
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	95	95	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-16007

Method: 200.8
Preparation: 4.1.4
Total Recoverable

MS Lab Sample ID:	660-3007-1	Analysis Batch:	680-16342	Instrument ID:	ICP MS
Client Matrix:	Water	Prep Batch:	680-16007	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/17/2005 0939			Final Weight/Volume:	250 mL
Date Prepared:	07/14/2005 0950				

MSD Lab Sample ID:	660-3007-1	Analysis Batch:	680-16342	Instrument ID:	ICP MS
Client Matrix:	Water	Prep Batch:	680-16007	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/17/2005 0947			Final Weight/Volume:	250 mL
Date Prepared:	07/14/2005 0950				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Thallium	95	96	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Dissolved

Lab Sample ID: MB 680-16069/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1240
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-9902

Method: 245.1
Preparation: 245.1
Dissolved

Lab Sample ID: MB 660-9902/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1741
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9902

Method: 245.1
Preparation: 245.1
Dissolved

LCS Lab Sample ID: LCS 660-9902/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1743
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9902/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1744
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	94	96	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9902

Method: 245.1
Preparation: 245.1
Dissolved

MS Lab Sample ID:	660-2975-C-1-B MS	Analysis Batch: 660-9963	Instrument ID: HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch: 660-9902	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1751		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1021		

MSD Lab Sample ID:	660-2975-C-1-C MSD	Analysis Batch: 660-9963	Instrument ID: HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch: 660-9902	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1753		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1021		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	95	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-9904

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-9904/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1828
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9904

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 660-9904/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1830
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9904/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1832
Date Prepared: 07/11/2005 1028

Analysis Batch: 660-9963
Prep Batch: 660-9904
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	93	95	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9904

Method: 245.1
Preparation: 245.1

MS Lab Sample ID:	660-3007-1	Analysis Batch:	660-9963	Instrument ID:	HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch:	660-9904	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/11/2005 1838			Final Weight/Volume:	50 mL
Date Prepared:	07/11/2005 1028				

MSD Lab Sample ID:	660-3007-1	Analysis Batch:	660-9963	Instrument ID:	HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch:	660-9904	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/11/2005 1840			Final Weight/Volume:	50 mL
Date Prepared:	07/11/2005 1028				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	92	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-9999

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-9999/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1354
Date Prepared: N/A

Analysis Batch: 660-9999
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9999

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-9999/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1354
Date Prepared: N/A

Analysis Batch: 660-9999
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-9999/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1354
Date Prepared: N/A

Analysis Batch: 660-9999
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	98	99	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9999

Method: 160.1
Preparation: N/A

MS Lab Sample ID:	660-3007-1	Analysis Batch: 660-9999	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1354		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3007-1	Analysis Batch: 660-9999	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1354		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Dissolved Solids	99	100	80 - 120	0	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-9953

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 660-9953/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1519
Date Prepared: N/A

Analysis Batch: 660-9953
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.90	U	0.90	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9953

Method: 325.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9953/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1520
Date Prepared: N/A

Analysis Batch: 660-9953
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-9953/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1521
Date Prepared: N/A

Analysis Batch: 660-9953
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	100	93	90 - 110	7	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9953

Method: 325.2
Preparation: N/A

MS Lab Sample ID:	660-3007-1	Analysis Batch:	660-9953	Instrument ID:	Seal Autoanalyzer
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2 mL
Date Analyzed:	07/11/2005 1523			Final Weight/Volume:	2 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-3007-1	Analysis Batch:	660-9953	Instrument ID:	Seal Autoanalyzer
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2 mL
Date Analyzed:	07/11/2005 1524			Final Weight/Volume:	2 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	105	104	90 - 110	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-10285

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-10285/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1420
Date Prepared: N/A

Analysis Batch: 660-10285
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10285

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10285/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1422
Date Prepared: N/A

Analysis Batch: 660-10285
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10285/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1424
Date Prepared: N/A

Analysis Batch: 660-10285
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	103	100	85 - 115	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10285

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-3007-1	Analysis Batch: 660-10285	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1428		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3007-1	Analysis Batch: 660-10285	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1430		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	103	111	85 - 115	7	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3007-1

Method Blank - Batch: 660-9854

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-9854/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2005 1434
Date Prepared: N/A

Analysis Batch: 660-9854
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrogen	0.010	U	0.010	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9854

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9854/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2005 1434
Date Prepared: N/A

Analysis Batch: 660-9854
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 660-9854/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2005 1434
Date Prepared: N/A

Analysis Batch: 660-9854
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrogen	99	102	80 - 120	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3007-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9854

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-3007-1	Analysis Batch:	660-9854	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2005 1434			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-3007-1	Analysis Batch:	660-9854	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2005 1434			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrogen	89	90	80 - 120	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 24203

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL	
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	MATRIX TYPE: SOLID OR SEMISOLID	MATRIX TYPE: AIR	MATRIX TYPE: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: Cl, NO3, TDS	T-NH3	App I Metals + Fe, Hg, Na	Thallium	8260 App I	EDB					REMARKS
		PRESERVATIVE						None	H2SO4	HNO3	HNO3	HCl	HCl					
7-6	1450	MWB17I	G	X				1	1	1	1	3	3					
7-6	1509	MWB17S	G	X				1	1	1	1	3	3					
7-6	—	TRIP	G	X								3	3					

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	7/6/05	1400		7-6-05	2000			
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT? YES ⊗ NO ○	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	7-7-05	0815		YES	660-5007	4° C

STL-8240-660 (12/02)

Serial Number 24209

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Al Burson	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL	
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE ___ OF ___

STANDARD REPORT DELIVERY ⊗
DATE DUE ___
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ___
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: Cl-, NO3, TDS	T-NH3	APP I Metals + Be, Hg, Na	THALLium	8260 APP I	EDB	NUMBER OF CONTAINERS SUBMITTED: None	H2SO4	HNO3	HNO3	ICE	ICE	REMARKS
7-6	1138	MWB29S	G	X				1	1	1	1	3	3							
7-6	1120	MWB29D	G	X				1	1	1	1	3	3							
7-6	1105	MWB29I	G	X				1	1	1	1	3	3							
7-6	1105	DUP02	G	X				1	1	1	1	3	3							
7-6	1027	MWB27D	G	X				1	1	1	1	3	3							
7-6	0955	MWB27S	G	X				1	1	1	1	3	3							
7-6	0939	MWB27I	G	X				1	1	1	1	3	3							
7-6	–	TRIP	G	X				1												

PRESERVATIVE

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
COOLERS	7/6/05	1630		7-6-05	2000			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY: 4° C

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT: YES ⊗ NO ○	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	7-7-05	0815		145	660 3007	

STL8240-660 (12/02)

Serial Number 20799

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL	
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗ DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: Cl⁻, NO3, TDS	T-NH3	Appl Metals + Fe, Hg, N2	Thallium	8260 Appx	EDB	Diss. Metals	NUMBER OF CONTAINERS SUBMITTED: None	H2SO4	HNO3	HNO3	HCl	HCl	HNO3	REMARKS
7-6	0854	MWB22S	G	X				1	1	1	1	3	3									
7-6	0833	MWB11S	G	X				1	1	1	1	3	3									
7-6	0814	MWB11I (R)	G	X				1	1	1	1	3	3	1								
7-6	0731	MWB19D	G	X				1	1	1	1	3	3									
7-6	0731	DUP01	G	X				1	1	1	1	3	3									
7-6	—	TRIP	G	X								3	3									

PRESERVATIVE

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	7-6-05	1615		7-6-05	2000			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY 4 x 4

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	7-7-05	0965	YES / NO	NCS	660-3007	

STL [illegible]60 (12/02)

Serial Number 24201

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stlinc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL	
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: Cl, NO3, TOC	T-NH3	APP I Metals + Fe, Hg, Na	Trivalium	8260 APP I	EDD	Diss. Metals				NUMBER OF CONTAINERS SUBMITTED								REMARKS
								NONE	H2SO4	PRESERVATIVE: HNO3	HNO3	DUP	HCl	HNO3												
7-6	1238	MWB2S	G	X				1	1	1	1	3	3	1												
7-6	1219	MWB2I	G	X				1	1	1	1	3	3													
7-6	1410	MWB3S	G	X				1	1	1	1	3	3													
7-6	1350	MWB3I	G	X				1	1	1	1	3	3													
7-6	1309	MWB31D	G	X				1	1	1	1	3	3													
7-6	1309	DUP03	G	X				1	1	1	1	3	3													
7-6	—	TRIP	G	X								3	3													

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	7/6/05	1700		7-6-05	2000			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO	STL TAMPA LOG NO	LABORATORY REMARKS
	7-7-05	0815	YES ⊗ / NO ○	NTS	660-3007	

cooler 1 of 1 yes

STL8240-660 (12/02)

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-2975-1

Job Description: Semi-annual Phase I-V/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/29/2005

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-2975-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-2975-1	**MWB12I**					
Total Dissolved Solids		20		5.0	mg/L	160.1
Chloride		5.4		1.0	mg/L	325.2
Nitrate Nitrogen		0.011	I	0.050	mg/L	353.2
Total Recoverable						
Barium		7.5	I	10	ug/L	200.7 Rev 4.4
Chromium		1.9	I	10	ug/L	200.7 Rev 4.4
Iron		240		50	ug/L	200.7 Rev 4.4
Sodium		5.4		0.50	mg/L	200.7 Rev 4.4
Vanadium		4.3	I	10	ug/L	200.7 Rev 4.4
Thallium		0.53	I	1.0	ug/L	200.8
660-2975-2	**MWB12D**					
Total Dissolved Solids		190		5.0	mg/L	160.1
Chloride		4.6		1.0	mg/L	325.2
Ammonia		0.13		0.050	mg/L	350.1
Total Recoverable						
Barium		120		10	ug/L	200.7 Rev 4.4
Iron		650		50	ug/L	200.7 Rev 4.4
Sodium		5.9		0.50	mg/L	200.7 Rev 4.4
Thallium		0.60	I	1.0	ug/L	200.8
660-2975-3	**MWB12S**					
Total Dissolved Solids		100		5.0	mg/L	160.1
Chloride		12		1.0	mg/L	325.2
Ammonia		0.16		0.050	mg/L	350.1
Nitrate Nitrogen		4.8		0.050	mg/L	353.2
Total Recoverable						
Barium		14		10	ug/L	200.7 Rev 4.4
Chromium		2.6	I	10	ug/L	200.7 Rev 4.4
Iron		92		50	ug/L	200.7 Rev 4.4
Sodium		7.1		0.50	mg/L	200.7 Rev 4.4
Selenium		9.1	I	10	ug/L	200.7 Rev 4.4
Vanadium		30		10	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-2975-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-2975-4	**MWB7I**					
Total Dissolved Solids		26		5.0	mg/L	160.1
Chloride		6.2		1.0	mg/L	325.2
Nitrate Nitrogen		0.026	I	0.050	mg/L	353.2
Total Recoverable						
Barium		51		10	ug/L	200.7 Rev 4.4
Iron		350		50	ug/L	200.7 Rev 4.4
Sodium		3.2		0.50	mg/L	200.7 Rev 4.4
660-2975-5	**MWB7D**					
Total Dissolved Solids		170		5.0	mg/L	160.1
Chloride		4.6		1.0	mg/L	325.2
Ammonia		0.11		0.050	mg/L	350.1
Total Recoverable						
Barium		81		10	ug/L	200.7 Rev 4.4
Iron		270		50	ug/L	200.7 Rev 4.4
Sodium		4.7		0.50	mg/L	200.7 Rev 4.4
660-2975-6	**MWB7S**					
Total Dissolved Solids		78		5.0	mg/L	160.1
Chloride		7.8		1.0	mg/L	325.2
Ammonia		0.10		0.050	mg/L	350.1
Nitrate Nitrogen		1.4		0.050	mg/L	353.2
Total Recoverable						
Barium		7.0	I	10	ug/L	200.7 Rev 4.4
Iron		64		50	ug/L	200.7 Rev 4.4
Sodium		4.1		0.50	mg/L	200.7 Rev 4.4
Vanadium		6.7	I	10	ug/L	200.7 Rev 4.4
660-2975-7	**MWB20S**					
Total Dissolved Solids		48		5.0	mg/L	160.1
Chloride		7.6		1.0	mg/L	325.2
Ammonia		0.45		0.050	mg/L	350.1
Nitrate Nitrogen		0.15		0.050	mg/L	353.2
Total Recoverable						
Barium		18		10	ug/L	200.7 Rev 4.4
Iron		290		50	ug/L	200.7 Rev 4.4
Sodium		4.7		0.50	mg/L	200.7 Rev 4.4
Vanadium		3.7	I	10	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-2975-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-2975-8	**MWB21S**					
Acetone		17	I	20	ug/L	8260B
Toluene		9.4		1.0	ug/L	8260B
Total Dissolved Solids		92		5.0	mg/L	160.1
Chloride		2.5		1.0	mg/L	325.2
Ammonia		0.40		0.050	mg/L	350.1
Total Recoverable						
Barium		12		10	ug/L	200.7 Rev 4.4
Iron		230		50	ug/L	200.7 Rev 4.4
Sodium		2.0		0.50	mg/L	200.7 Rev 4.4
660-2975-9	**MWB19I**					
Total Dissolved Solids		28		5.0	mg/L	160.1
Chloride		8.0		1.0	mg/L	325.2
Dissolved						
Barium		58		10	ug/L	200.7 Rev 4.4
Iron		470		50	ug/L	200.7 Rev 4.4
Sodium		3.6		0.50	mg/L	200.7 Rev 4.4
Total Recoverable						
Barium		100		10	ug/L	200.7 Rev 4.4
Cobalt		2.6	I	10	ug/L	200.7 Rev 4.4
Chromium		4.8	I	10	ug/L	200.7 Rev 4.4
Iron		1100		50	ug/L	200.7 Rev 4.4
Sodium		3.7		0.50	mg/L	200.7 Rev 4.4
Nickel		5.7	I	40	ug/L	200.7 Rev 4.4
Vanadium		7.0	I	10	ug/L	200.7 Rev 4.4
Zinc		15	I	20	ug/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-2975-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-2975-10	**MWB19S**					
Total Dissolved Solids		68		5.0	mg/L	160.1
Chloride		8.8		1.0	mg/L	325.2
Ammonia		0.17		0.050	mg/L	350.1
Nitrate Nitrogen		0.12		0.050	mg/L	353.2
Dissolved						
Barium		6.7	I	10	ug/L	200.7 Rev 4.4
Iron		170		50	ug/L	200.7 Rev 4.4
Sodium		5.1		0.50	mg/L	200.7 Rev 4.4
Antimony		4.1	I	6.0	ug/L	200.7 Rev 4.4
Vanadium		2.9	I	10	ug/L	200.7 Rev 4.4
Total Recoverable						
Barium		51		10	ug/L	200.7 Rev 4.4
Iron		460		50	ug/L	200.7 Rev 4.4
Sodium		3.2		0.50	mg/L	200.7 Rev 4.4

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-2975-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-TAM	SW846 8260B	
Purge-and-Trap	STL-TAM		SW846 5030B
EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography	STL-TAM	EPA-01 504.1	
EDB, DBCP, and 123TCP in Water by	STL-TAM		EPA-DW 504.1
ICP Metals by 200.7	STL-TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL-TAM		40CFR136A 200.7 Appx C
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
ICPMS Metals by 200.8 CWA	STL-SAV	EPA 200.8	
Total Recoverable Metals for 200.8	STL-SAV		MCAWW 4.1.4
Sample Filtration performed in the Field	STL-SAV		FIELD_FLTRD
Mercury in Water by CVAA	STL-TAM	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-TAM		EPA 245.1
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
Field Sampling	STL-TAM	EPA Field Sampling	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-TAM	MCAWW 160.1	
Chloride (Colorimetric, Automated Ferricyanide, AAI	STL-TAM	MCAWW 325.2	
Nitrogen (Ammonia, Colorimetric, Automated Phenate)	STL-TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAM	MCAWW 353.2	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-2975-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-2975-1	MWB12I	Water	07/05/2005 1136	07/06/2005 0815
660-2975-2	MWB12D	Water	07/05/2005 1155	07/06/2005 0815
660-2975-3	MWB12S	Water	07/05/2005 1216	07/06/2005 0815
660-2975-4	MWB7I	Water	07/05/2005 1259	07/06/2005 0815
660-2975-5	MWB7D	Water	07/05/2005 1319	07/06/2005 0815
660-2975-6	MWB7S	Water	07/05/2005 1339	07/06/2005 0815
660-2975-7	MWB20S	Water	07/05/2005 1400	07/06/2005 0815
660-2975-8	MWB21S	Water	07/05/2005 1420	07/06/2005 0815
660-2975-9	MWB19I	Water	07/05/2005 1503	07/06/2005 0815
660-2975-10	MWB19S	Water	07/05/2005 1524	07/06/2005 0815
660-2975-11TB	TRIP BLANK	Water	07/05/2005 1136	07/06/2005 0815
660-2975-12TB	TRIP BLANK	Water	07/05/2005 1136	07/06/2005 0815

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12I

Lab Sample ID: 660-2975-1
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0117
Date Prepared: 07/13/2005 0117

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1212.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	*8.4*	*U*	*8.4*	*10*
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12I

Lab Sample ID: 660-2975-1
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0117
Date Prepared: 07/13/2005 0117

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1212.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	74 - 126
Dibromofluoromethane	84	70 - 130
Toluene-d8	104	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12D

Lab Sample ID: 660-2975-2
Client Matrix: Water

Date Sampled: 07/05/2005 1155
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0142
Date Prepared: 07/13/2005 0142

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1213.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB12D**

Lab Sample ID: 660-2975-2
Client Matrix: Water

Date Sampled: 07/05/2005 1155
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0142
Date Prepared: 07/13/2005 0142

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1213.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	86	74 - 126
Dibromofluoromethane	83	70 - 130
Toluene-d8	97	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB12S**

Lab Sample ID: 660-2975-3
Client Matrix: Water

Date Sampled: 07/05/2005 1216
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0207
Date Prepared: 07/13/2005 0207

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1214.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB12S**

Lab Sample ID: 660-2975-3
Client Matrix: Water

Date Sampled: 07/05/2005 1216
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: *07/13/2005 0207*
Date Prepared: 07/13/2005 0207

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1214.D
Initial Weight/Volume:
Final Weight/Volume: *5 mL*

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	88	70 - 130
Toluene-d8	94	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB7I

Lab Sample ID: 660-2975-4
Client Matrix: Water

Date Sampled: 07/05/2005 1259
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0232
Date Prepared: 07/13/2005 0232

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1215.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB7I

Lab Sample ID: 660-2975-4
Client Matrix: Water

Date Sampled: 07/05/2005 1259
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0232
Date Prepared: 07/13/2005 0232

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1215.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	81	74 - 126
Dibromofluoromethane	89	70 - 130
Toluene-d8	99	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB7D

Lab Sample ID: 660-2975-5
Client Matrix: Water

Date Sampled: 07/05/2005 1319
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0257
Date Prepared: 07/13/2005 0257

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1216.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB7D**

Lab Sample ID: 660-2975-5
Client Matrix: Water

Date Sampled: 07/05/2005 1319
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0257
Date Prepared: 07/13/2005 0257

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1216.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	81	74 - 126
Dibromofluoromethane	80	70 - 130
Toluene-d8	90	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB7S**

Lab Sample ID: 660-2975-6
Client Matrix: Water

Date Sampled: 07/05/2005 1339
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0322
Date Prepared: 07/13/2005 0322

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1217.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB7S**

Lab Sample ID: 660-2975-6
Client Matrix: Water

Date Sampled: 07/05/2005 1339
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0322
Date Prepared: 07/13/2005 0322

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1217.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	87	74 - 126
Dibromofluoromethane	88	70 - 130
Toluene-d8	93	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB20S

Lab Sample ID: 660-2975-7
Client Matrix: Water

Date Sampled: 07/05/2005 1400
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0346
Date Prepared: 07/13/2005 0346

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1218.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB20S**

Lab Sample ID: 660-2975-7
Client Matrix: Water

Date Sampled: 07/05/2005 1400
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0346
Date Prepared: 07/13/2005 0346

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1218.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	85	74 - 126
Dibromofluoromethane	88	70 - 130
Toluene-d8	95	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB21S

Lab Sample ID: 660-2975-8
Client Matrix: Water

Date Sampled: 07/05/2005 1420
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0411
Date Prepared: 07/13/2005 0411

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1219.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	17	I	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	*8.4*	U	*8.4*	*10*
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	9.4		0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB21S**

Lab Sample ID: 660-2975-8
Client Matrix: Water

Date Sampled: 07/05/2005 1420
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0411
Date Prepared: 07/13/2005 0411

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1219.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	80	74 - 126
Dibromofluoromethane	76	70 - 130
Toluene-d8	93	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB19I

Lab Sample ID: 660-2975-9
Client Matrix: Water

Date Sampled: 07/05/2005 1503
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0436
Date Prepared: 07/13/2005 0436

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1220.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB19I

Lab Sample ID: 660-2975-9
Client Matrix: Water

Date Sampled: 07/05/2005 1503
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0436
Date Prepared: 07/13/2005 0436

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1220.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	85	70 - 130
Toluene-d8	94	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB19S**

Lab Sample ID: 660-2975-10
Client Matrix: Water

Date Sampled: 07/05/2005 1524
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0501
Date Prepared: 07/13/2005 0501

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1221.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB19S**

Lab Sample ID: 660-2975-10
Client Matrix: Water

Date Sampled: 07/05/2005 1524
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0501
Date Prepared: 07/13/2005 0501

Analysis Batch: 660-10095

Instrument ID: BVME GC/MS
Lab File ID: 2EG1221.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	90	70 - 130
Toluene-d8	93	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 660-2975-11TB
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0028
Date Prepared: 07/13/2005 0028

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1210.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 660-2975-11TB
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0028
Date Prepared: 07/13/2005 0028

Analysis Batch: 660-10086

Instrument ID: BVME GC/MS
Lab File ID: 2EG1210.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	82	74 - 126
Dibromofluoromethane	77	70 - 130
Toluene-d8	93	77 - 122

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12I

Lab Sample ID: 660-2975-1
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1602
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S019.D
Initial Weight/Volume: 35.4813 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB12D**

Lab Sample ID: 660-2975-2
Client Matrix: Water

Date Sampled: 07/05/2005 1155
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1706
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S022.D
Initial Weight/Volume: 35.9082 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.019
Ethylene Dibromide	0.0085	U	0.0085	0.019

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12S

Lab Sample ID: 660-2975-3
Client Matrix: Water

Date Sampled: 07/05/2005 1216
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1748
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S024.D
Initial Weight/Volume: 33.7893 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.021
Ethylene Dibromide	0.0090	U	0.0090	0.021

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB7I**

Lab Sample ID: 660-2975-4
Client Matrix: Water

Date Sampled: 07/05/2005 1259
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP In Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1809
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S025.D
Initial Weight/Volume: 34.2487 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB7D**

Lab Sample ID: 660-2975-5
Client Matrix: Water

Date Sampled: 07/05/2005 1319
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1830
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S026.D
Initial Weight/Volume: 36.5114 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.019
Ethylene Dibromide	0.0083	U	0.0083	0.019

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB7S**

Lab Sample ID: 660-2975-6
Client Matrix: Water

Date Sampled: 07/05/2005 1339
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1852
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S027.D
Initial Weight/Volume: 36.4760 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.019
Ethylene Dibromide	0.0083	U	0.0083	0.019

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB20S**

Lab Sample ID: 660-2975-7
Client Matrix: Water

Date Sampled: 07/05/2005 1400
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1913
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S028.D
Initial Weight/Volume: 35.6372 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.020
Ethylene Dibromide	0.0085	U	0.0085	0.020

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB21S

Lab Sample ID: 660-2975-8
Client Matrix: Water

Date Sampled: 07/05/2005 1420
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1934
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S029.D
Initial Weight/Volume: 35.3424 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB19I**

Lab Sample ID: 660-2975-9
Client Matrix: Water

Date Sampled: 07/05/2005 1503
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 1955
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S030.D
Initial Weight/Volume: 35.9001 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.019
Ethylene Dibromide	0.0085	U	0.0085	0.019

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: **MWB19S**

Lab Sample ID: 660-2975-10
Client Matrix: Water

Date Sampled: 07/05/2005 1524
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 2058
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S033.D
Initial Weight/Volume: 33.5543 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.021
Ethylene Dibromide	0.0091	U	0.0091	0.021

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 660-2975-12TB
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/07/2005 2119
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S034.D
Initial Weight/Volume: 35.8423 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.020
Ethylene Dibromide	0.0085	U	0.0085	0.020

Client Sample ID: MWB12I

Lab Sample ID: 660-2975-1
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1022
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	5.4		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1022
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	7.5	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.9	I	1.7	10
Copper	5.0	U	5.0	20
Iron	240		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	4.3	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0429
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.53	I	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12I

Lab Sample ID: 660-2975-1
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1749
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12D

Lab Sample ID: 660-2975-2
Client Matrix: Water

Date Sampled: 07/05/2005 1155
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1028
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	5.9		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1028
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	120		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	650		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0519
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.60	I	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12D

Lab Sample ID: 660-2975-2
Client Matrix: Water

Date Sampled: 07/05/2005 1155
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1803
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: MWB12S

Lab Sample ID: 660-2975-3
Client Matrix: Water

Date Sampled: 07/05/2005 1216
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1034
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	7.1		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1034
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	14		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	2.6	I	1.7	10
Copper	5.0	U	5.0	20
Iron	92		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	9.1	I	5.9	10
Vanadium	30		2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0527
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB12S

Lab Sample ID: 660-2975-3
Client Matrix: Water

Date Sampled: 07/05/2005 1216
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1804
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: MWB7I

Lab Sample ID: 660-2975-4
Client Matrix: Water

Date Sampled: 07/05/2005 1259
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1040
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.2		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1040
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	51		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	350		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0534
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB7I

Lab Sample ID: 660-2975-4
Client Matrix: Water

Date Sampled: 07/05/2005 1259
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1806
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: MWB7D

Lab Sample ID: 660-2975-5
Client Matrix: Water

Date Sampled: 07/05/2005 1319
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1046
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.7		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1046
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	81		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	270		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0541
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB7D

Lab Sample ID: 660-2975-5
Client Matrix: Water

Date Sampled: 07/05/2005 1319
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1808
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB7S

Lab Sample ID: 660-2975-6
Client Matrix: Water

Date Sampled: 07/05/2005 1339
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1052
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.1		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1052
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	7.0	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	64		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	6.7	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0548
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB7S

Lab Sample ID: 660-2975-6
Client Matrix: Water

Date Sampled: 07/05/2005 1339
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1810
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: MWB20S

Lab Sample ID: 660-2975-7
Client Matrix: Water

Date Sampled: 07/05/2005 1400
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1058
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.7		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1058
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	18		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	290		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	3.7	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0556
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB20S

Lab Sample ID: 660-2975-7
Client Matrix: Water

Date Sampled: 07/05/2005 1400
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1812
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client Sample ID: MWB21S

Lab Sample ID: 660-2975-8
Client Matrix: Water

Date Sampled: 07/05/2005 1420
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1104
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	2.0		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1104
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	12		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	230		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0603
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB21S

Lab Sample ID: 660-2975-8
Client Matrix: Water

Date Sampled: 07/05/2005 1420
Date Received: 07/06/2005 0815

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1813
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB19I

Lab Sample ID:	660-2975-9	Date Sampled:	07/05/2005 1503
Client Matrix:	Water	Date Received:	07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 660-10101		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-9985		Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1110			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 1136				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.7		0.31	0.50

Method:	200.7 Rev 4.4	Analysis Batch: 660-10101		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-9985		Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1110			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 1136				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	100		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	2.6	I	1.6	10
Chromium	4.8	I	1.7	10
Copper	5.0	U	5.0	20
Iron	1100		22	50
Nickel	5.7	I	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	7.0	I	2.5	10
Zinc	15	I	5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 660-10101		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-9970		Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1316			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 0904				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.6		0.31	0.50

Client Sample ID: MWB19I

Lab Sample ID: 660-2975-9
Client Matrix: Water

Date Sampled: 07/05/2005 1503
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1316
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	58		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	470		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0610
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB19I

Lab Sample ID: 660-2975-9
Client Matrix: Water

Date Sampled: 07/05/2005 1503
Date Received: 07/06/2005 0815

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/27/2005 2348
Date Prepared: 07/26/2005 1636

Analysis Batch: 680-17428
Prep Batch: 680-17131

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1815
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1816
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB19S

Lab Sample ID: 660-2975-10
Client Matrix: Water

Date Sampled: 07/05/2005 1524
Date Received: 07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 0952
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.2		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 0952
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	51		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	460		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1334
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	5.1		0.31	0.50

Client: HDR Engineering

Job Number: 660-2975-1

Client Sample ID: MWB19S

Lab Sample ID:	660-2975-10	Date Sampled:	07/05/2005 1524
Client Matrix:	Water	Date Received:	07/06/2005 0815

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 660-10101		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-9970		Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1334			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 0904				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	6.7	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	170		22	50
Nickel	4.7	U	4.7	40
Antimony	4.1	I	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.9	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method:	200.8	Analysis Batch: 680-16338		Instrument ID:	ICP MS
Preparation:	4.1.4	Prep Batch: 680-15879		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/17/2005 0632			Final Weight/Volume:	250 mL
Date Prepared:	07/13/2005 0954				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client Sample ID: MWB19S

Lab Sample ID: 660-2975-10
Client Matrix: Water

Date Sampled: 07/05/2005 1524
Date Received: 07/06/2005 0815

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/27/2005 2355
Date Prepared: 07/26/2005 1636

Analysis Batch: 680-17428
Prep Batch: 680-17131

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1755
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/11/2005 1756
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Field Service / Mobile Lab

Client Sample ID: MWB12I

Lab Sample ID: 660-2975-1
Client Matrix: Water
% Moisture:

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	6.39		ft	1.0	Field	660-9994	07/05/2005 1136
Oxygen, Dissolved	0.9		mg/L	1.0	Field	660-9994	07/05/2005 1136
Water Level	118.23		ft	1.0	Field	660-9994	07/05/2005 1136
Turbidity	6.8		NTU	1.0	Field	660-9994	07/05/2005 1136
Field pH	5.25		SU	1.0	Field	660-9994	07/05/2005 1136
Specific Conductance	40		umhos/cm	1.0	Field	660-9994	07/05/2005 1136
Field Temperature	22.9		Degrees C	1.0	Field	660-9994	07/05/2005 1136

Client Sample ID: MWB12D

Lab Sample ID: 660-2975-2
Client Matrix: Water
% Moisture:

Date Sampled: 07/05/2005 1155
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	4.36		ft	1.0	Field	660-9994	07/05/2005 1155
Oxygen, Dissolved	0.7		mg/L	1.0	Field	660-9994	07/05/2005 1155
Water Level	120.20		ft	1.0	Field	660-9994	07/05/2005 1155
Turbidity	0.3		NTU	1.0	Field	660-9994	07/05/2005 1155
Field pH	7.10		SU	1.0	Field	660-9994	07/05/2005 1155
Specific Conductance	390		umhos/cm	1.0	Field	660-9994	07/05/2005 1155
Field Temperature	22.4		Degrees C	1.0	Field	660-9994	07/05/2005 1155

Field Service / Mobile Lab

Client Sample ID: MWB12S

Lab Sample ID: 660-2975-3
Client Matrix: Water % Moisture:

Date Sampled: 07/05/2005 1216
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	7.44		ft	1.0	Field	660-9994	07/05/2005 1216
Oxygen, Dissolved	2.3		mg/L	1.0	Field	660-9994	07/05/2005 1216
Water Level	117.19		ft	1.0	Field	660-9994	07/05/2005 1216
Turbidity	17.2		NTU	1.0	Field	660-9994	07/05/2005 1216
Field pH	5.25		SU	1.0	Field	660-9994	07/05/2005 1216
Specific Conductance	152		umhos/cm	1.0	Field	660-9994	07/05/2005 1216
Field Temperature	23.2		Degrees C	1.0	Field	660-9994	07/05/2005 1216

Client Sample ID: MWB7I

Lab Sample ID: 660-2975-4
Client Matrix: Water % Moisture:

Date Sampled: 07/05/2005 1259
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	2.19		ft	1.0	Field	660-9994	07/05/2005 1259
Oxygen, Dissolved	0.8		mg/L	1.0	Field	660-9994	07/05/2005 1259
Water Level	119.34		ft	1.0	Field	660-9994	07/05/2005 1259
Turbidity	1.9		NTU	1.0	Field	660-9994	07/05/2005 1259
Field pH	5.30		SU	1.0	Field	660-9994	07/05/2005 1259
Specific Conductance	42		umhos/cm	1.0	Field	660-9994	07/05/2005 1259
Field Temperature	22.5		Degrees C	1.0	Field	660-9994	07/05/2005 1259

Field Service / Mobile Lab

Client Sample ID: MWB7D

Lab Sample ID: 660-2975-5
Client Matrix: Water
% Moisture:

Date Sampled: 07/05/2005 1319
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	0.42		ft	1.0	Field	660-9994	07/05/2005 1319
Oxygen, Dissolved	0.6		mg/L	1.0	Field	660-9994	07/05/2005 1319
Water Level	121.23		ft	1.0	Field	660-9994	07/05/2005 1319
Turbidity	0.4		NTU	1.0	Field	660-9994	07/05/2005 1319
Field pH	7.32		SU	1.0	Field	660-9994	07/05/2005 1319
Specific Conductance	348		umhos/cm	1.0	Field	660-9994	07/05/2005 1319
Field Temperature	22.1		Degrees C	1.0	Field	660-9994	07/05/2005 1319

Client Sample ID: MWB7S

Lab Sample ID: 660-2975-6
Client Matrix: Water
% Moisture:

Date Sampled: 07/05/2005 1339
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.88		ft	1.0	Field	660-9994	07/05/2005 1339
Oxygen, Dissolved	1.4		mg/L	1.0	Field	660-9994	07/05/2005 1339
Water Level	117.41		ft	1.0	Field	660-9994	07/05/2005 1339
Turbidity	16.3		NTU	1.0	Field	660-9994	07/05/2005 1339
Field pH	4.98		SU	1.0	Field	660-9994	07/05/2005 1339
Specific Conductance	98		umhos/cm	1.0	Field	660-9994	07/05/2005 1339
Field Temperature	26.1		Degrees C	1.0	Field	660-9994	07/05/2005 1339

Field Service / Mobile Lab

Client Sample ID: MWB20S

Lab Sample ID: 660-2975-7
Client Matrix: Water % Moisture:

Date Sampled: 07/05/2005 1400
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.42		ft	1.0	Field	660-9994	07/05/2005 1400
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-9994	07/05/2005 1400
Water Level	115.59		ft	1.0	Field	660-9994	07/05/2005 1400
Turbidity	2.4		NTU	1.0	Field	660-9994	07/05/2005 1400
Field pH	4.30		SU	1.0	Field	660-9994	07/05/2005 1400
Specific Conductance	92		umhos/cm	1.0	Field	660-9994	07/05/2005 1400
Field Temperature	28.5		Degrees C	1.0	Field	660-9994	07/05/2005 1400

Client Sample ID: MWB21S

Lab Sample ID: 660-2975-8
Client Matrix: Water % Moisture:

Date Sampled: 07/05/2005 1420
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	6.59		ft	1.0	Field	660-9994	07/05/2005 1420
Oxygen, Dissolved	1.0		mg/L	1.0	Field	660-9994	07/05/2005 1420
Water Level	116.25		ft	1.0	Field	660-9994	07/05/2005 1420
Turbidity	3.9		NTU	1.0	Field	660-9994	07/05/2005 1420
Field pH	5.85		SU	1.0	Field	660-9994	07/05/2005 1420
Specific Conductance	162		umhos/cm	1.0	Field	660-9994	07/05/2005 1420
Field Temperature	25.3		Degrees C	1.0	Field	660-9994	07/05/2005 1420

Field Service / Mobile Lab

Client Sample ID: MWB19I

Lab Sample ID: 660-2975-9
Client Matrix: Water % Moisture:

Date Sampled: 07/05/2005 1503
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.56		ft	1.0	Field	660-9994	07/05/2005 1503
Oxygen, Dissolved	0.8		mg/L	1.0	Field	660-9994	07/05/2005 1503
Water Level	122.38		ft	1.0	Field	660-9994	07/05/2005 1503
Turbidity	8.25		NTU	1.0	Field	660-9994	07/05/2005 1503
Field pH	5.09		SU	1.0	Field	660-9994	07/05/2005 1503
Specific Conductance	41		umhos/cm	1.0	Field	660-9994	07/05/2005 1503
Field Temperature	22.3		Degrees C	1.0	Field	660-9994	07/05/2005 1503

Client Sample ID: MWB19S

Lab Sample ID: 660-2975-10
Client Matrix: Water % Moisture:

Date Sampled: 07/05/2005 1524
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	4.00		ft	1.0	Field	660-9994	07/05/2005 1524
Oxygen, Dissolved	1.1		mg/L	1.0	Field	660-9994	07/05/2005 1524
Water Level	123.38		ft	1.0	Field	660-9994	07/05/2005 1524
Turbidity	42.2		NTU	1.0	Field	660-9994	07/05/2005 1524
Field pH	5.50		SU	1.0	Field	660-9994	07/05/2005 1524
Specific Conductance	117		umhos/cm	1.0	Field	660-9994	07/05/2005 1524
Field Temperature	24.4		Degrees C	1.0	Field	660-9994	07/05/2005 1524

General Chemistry

Client Sample ID: MWB12I

Lab Sample ID: 660-2975-1
Client Matrix: Water

Date Sampled: 07/05/2005 1136
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1323						
Chloride	5.4		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1213						
Nitrate Nitrogen	0.011	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	20		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

Client Sample ID: MWB12D

Lab Sample ID: 660-2975-2
Client Matrix: Water

Date Sampled: 07/05/2005 1155
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.13		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1329						
Chloride	4.6		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1214						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	190		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

General Chemistry

Client Sample ID: MWB12S

Lab Sample ID: 660-2975-3
Client Matrix: Water

Date Sampled: 07/05/2005 1216
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.16		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10026	Date Analyzed 07/12/2005 1331					
Chloride	12		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9952	Date Analyzed 07/11/2005 1214					
Nitrate Nitrogen	4.8		mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	100		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010					

Client Sample ID: MWB7I

Lab Sample ID: 660-2975-4
Client Matrix: Water

Date Sampled: 07/05/2005 1259
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10026	Date Analyzed 07/12/2005 1333					
Chloride	6.2		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-9952	Date Analyzed 07/11/2005 1215					
Nitrate Nitrogen	*0.026*	*I*	mg/L	*0.010*	*0.050*	*1.0*	353.2
	Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	26		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010					

General Chemistry

Client Sample ID: MWB7D

Lab Sample ID: 660-2975-5
Client Matrix: Water

Date Sampled: 07/05/2005 1319
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.11		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1335						
Chloride	4.6		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1215						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	170		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

Client Sample ID: MWB7S

Lab Sample ID: 660-2975-6
Client Matrix: Water

Date Sampled: 07/05/2005 1339
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.10		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1337						
Chloride	7.8		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1216						
Nitrate Nitrogen	1.4		mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	78		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

General Chemistry

Client Sample ID: MWB20S

Lab Sample ID: 660-2975-7
Client Matrix: Water

Date Sampled: 07/05/2005 1400
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.45		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1338						
Chloride	7.6		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1216						
Nitrate Nitrogen	0.15		mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	48		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

Client Sample ID: MWB21S

Lab Sample ID: 660-2975-8
Client Matrix: Water

Date Sampled: 07/05/2005 1420
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.40		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1340						
Chloride	2.5		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1217						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	92		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

General Chemistry

Client Sample ID: MWB19I

Lab Sample ID: 660-2975-9
Client Matrix: Water

Date Sampled: 07/05/2005 1503
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1342						
Chloride	8.0		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1217						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	28		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

Client Sample ID: MWB19S

Lab Sample ID: 660-2975-10
Client Matrix: Water

Date Sampled: 07/05/2005 1524
Date Received: 07/06/2005 0815

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.17		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10026	Date Analyzed 07/12/2005 1344						
Chloride	8.8		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-9952	Date Analyzed 07/11/2005 1219						
Nitrate Nitrogen	0.12		mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9847	Date Analyzed 07/06/2005 1448						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	68		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-2975-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	J3	Estimated value; value may not be accurate. The reported value fails to meet the established quality control criteria for either precision or accuracy.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-10086

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10086/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1110
Date Prepared: 07/12/2005 1110

Analysis Batch: 660-10086
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1208.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-10086

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10086/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1110
Date Prepared: 07/12/2005 1110

Analysis Batch: 660-10086
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1208.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	92	74 - 126
Dibromofluoromethane	81	70 - 130
Toluene-d8	101	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10086

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10086/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 0954
Date Prepared: 07/12/2005 0954

Analysis Batch: 660-10086
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1205.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10086/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1019
Date Prepared: 07/12/2005 1019

Analysis Batch: 660-10086
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1206.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	92	73	62 - 135	23	37		
Chlorobenzene	96	83	72 - 127	14	22		
1,1-Dichloroethylene	92	74	46 - 147	22	30		
Toluene	96	82	68 - 131	16	33		
Trichloroethene	94	71	56 - 143	27	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10086

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-2893-C-44 MS	Analysis Batch: 660-10086	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1225.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/12/2005 1816		Final Weight/Volume: 5 mL
Date Prepared:	07/12/2005 1816		

MSD Lab Sample ID:	660-2893-C-44 MSD	Analysis Batch: 660-10086	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1226.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/12/2005 1841		Final Weight/Volume: 5 mL
Date Prepared:	07/12/2005 1841		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	76	92	62 - 135	19	37		
Chlorobenzene	87	108	72 - 127	21	22		
1,1-Dichloroethylene	74	93	46 - 147	22	30		
Toluene	82	101	68 - 131	21	33		
Trichloroethene	80	95	56 - 143	17	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-10095

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10095/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 2338
Date Prepared: 07/12/2005 2338

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 2EG1208.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-10095

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10095/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 2338
Date Prepared: 07/12/2005 2338

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 2EG1208.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	91	70 - 130
Toluene-d8	101	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10095

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10095/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 2224
Date Prepared: 07/12/2005 2224

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 2EG1205.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10095/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1032
Date Prepared: 07/13/2005 1032

Analysis Batch: 660-10095
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1305.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	76	76	62 - 135	0	37		
Chlorobenzene	73	81	72 - 127	10	22		
1,1-Dichloroethene	74	76	46 - 147	3	30		
Toluene	76	84	68 - 131	11	33		
Trichloroethene	75	76	56 - 143	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10095

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-2975-7	Analysis Batch: 660-10095	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1306.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/13/2005 1057		Final Weight/Volume: 5 mL
Date Prepared:	07/13/2005 1057		

MSD Lab Sample ID:	660-2975-7	Analysis Batch: 660-10095	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1307.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/13/2005 1122		Final Weight/Volume: 5 mL
Date Prepared:	07/13/2005 1122		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	68	82	62 - 135	18	37		
Chlorobenzene	81	93	72 - 127	13	22		
1,1-Dichloroethene	70	80	46 - 147	13	30		
Toluene	77	90	68 - 131	15	33		
Trichloroethene	68	82	56 - 143	19	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-9848

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-9848/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2005 1458
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S016.D
Initial Weight/Volume: 34.8305 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9848

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-9848/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2005 1519
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S017.D
Initial Weight/Volume: 34.4098 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-9848/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2005 1540
Date Prepared: 07/07/2005 1000

Analysis Batch: 660-10133
Prep Batch: 660-9848
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G07S018.D
Initial Weight/Volume: 35.1844 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	118	111	70 - 130	8	30		
Ethylene Dibromide	100	97	70 - 130	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9848

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-2975-1	Analysis Batch: 660-10133	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-9848	Lab File ID: 1G07S020.D
Dilution:	1.0		Initial Weight/Volume: 36.1801 g
Date Analyzed:	07/07/2005 1623		Final Weight/Volume: 3 mL
Date Prepared:	07/07/2005 1000		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	660-2975-1	Analysis Batch: 660-10133	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-9848	Lab File ID: 1G07S021.D
Dilution:	1.0		Initial Weight/Volume: 35.4645 g
Date Analyzed:	07/07/2005 1644		Final Weight/Volume: 3 mL
Date Prepared:	07/07/2005 1000		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	136	140	70 - 130	5	30		
Ethylene Dibromide	128	132	70 - 130	5	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

LCS Lab Sample ID: LCS 660-9970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1258
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1304
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	100	98	85 - 115	2	20		
Arsenic	102	99	85 - 115	3	20		
Barium	102	100	85 - 115	2	20		
Beryllium	100	97	85 - 115	3	20		
Cadmium	102	99	85 - 115	3	20		
Cobalt	102	100	85 - 115	3	20		
Chromium	101	98	85 - 115	3	20		
Copper	102	100	85 - 115	2	20		
Iron	103	100	85 - 115	2	20		
Sodium	100	99	85 - 115	1	20		
Nickel	105	101	85 - 115	3	20		
Antimony	96	93	85 - 115	3	20		
Lead	102	100	85 - 115	3	20		
Selenium	103	101	85 - 115	3	20		
Vanadium	102	99	85 - 115	3	20		
Zinc	111	107	85 - 115	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

MS Lab Sample ID:	660-2975-9	Analysis Batch:	660-10101	Instrument ID:	TJA ICP TRACE
Client Matrix:	Water	Prep Batch:	660-9970	Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1322			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 0904				

MSD Lab Sample ID:	660-2975-9	Analysis Batch:	660-10101	Instrument ID:	TJA ICP TRACE
Client Matrix:	Water	Prep Batch:	660-9970	Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1328			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 0904				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	99	99	85 - 115	0	20		
Arsenic	100	100	85 - 115	0	20		
Barium	101	101	85 - 115	0	20		
Beryllium	98	99	85 - 115	0	20		
Cadmium	100	100	85 - 115	0	20		
Cobalt	100	101	85 - 115	1	20		
Chromium	100	100	85 - 115	1	20		
Copper	101	101	85 - 115	0	20		
Iron	102	101	85 - 115	1	20		
Sodium	101	100	85 - 115	1	20		
Nickel	102	103	85 - 115	0	20		
Antimony	95	95	85 - 115	0	20		
Lead	100	100	85 - 115	0	20		
Selenium	101	101	85 - 115	0	20		
Vanadium	101	101	85 - 115	0	20		
Zinc	108	109	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9985/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0928
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9985/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0928
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-9985/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0934
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9985/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0940
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	101	101	85 - 115	0	20		
Arsenic	99	99	85 - 115	0	20		
Barium	100	100	85 - 115	0	20		
Beryllium	99	99	85 - 115	0	20		
Cadmium	101	101	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	101	101	85 - 115	0	20		
Copper	103	103	85 - 115	0	20		
Iron	102	103	85 - 115	1	20		
Sodium	103	102	85 - 115	0	20		
Nickel	104	103	85 - 115	1	20		
Antimony	95	95	85 - 115	0	20		
Lead	101	101	85 - 115	0	20		
Selenium	102	101	85 - 115	1	20		
Vanadium	102	102	85 - 115	1	20		
Zinc	107	106	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-2975-10	Analysis Batch:	660-10101	Instrument ID:	TJA ICP TRACE
Client Matrix:	Water	Prep Batch:	660-9985	Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 0958			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 1136				

MSD Lab Sample ID:	660-2975-10	Analysis Batch:	660-10101	Instrument ID:	TJA ICP TRACE
Client Matrix:	Water	Prep Batch:	660-9985	Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1004			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 1136				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	101	101	85 - 115	1	20		
Arsenic	99	99	85 - 115	1	20		
Barium	96	98	85 - 115	1	20		
Beryllium	100	101	85 - 115	1	20		
Cadmium	100	100	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	102	102	85 - 115	0	20		
Copper	104	105	85 - 115	1	20		
Iron	82	82	85 - 115	0	20	J3	J3
Sodium	127	129	85 - 115	1	20	J3	J3
Nickel	102	102	85 - 115	0	20		
Antimony	95	96	85 - 115	0	20		
Lead	100	101	85 - 115	0	20		
Selenium	101	101	85 - 115	1	20		
Vanadium	103	104	85 - 115	1	20		
Zinc	107	106	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 680-15879

Method: 200.8
Preparation: 4.1.4
Total Recoverable

Lab Sample ID: MB 680-15879/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0407
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-15879

Method: 200.8
Preparation: 4.1.4
Total Recoverable

LCS Lab Sample ID: LCS 680-15879/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0415
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 680-15879/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0422
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	95	97	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-15879

Method: 200.8
Preparation: 4.1.4
Total Recoverable

MS Lab Sample ID:	660-2975-1	Analysis Batch: 680-16338	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-15879	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 0505		Final Weight/Volume: 250 mL
Date Prepared:	07/13/2005 0954		

MSD Lab Sample ID:	660-2975-1	Analysis Batch: 680-16338	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-15879	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 0512		Final Weight/Volume: 250 mL
Date Prepared:	07/13/2005 0954		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Thallium	95	95	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 680-17131

Method: 200.8
Preparation: 4.1.4
Dissolved

Lab Sample ID: MB 680-17131/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2005 2326
Date Prepared: 07/26/2005 1636

Analysis Batch: 680-17428
Prep Batch: 680-17131
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-9902

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-9902/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1741
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9902

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 660-9902/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1743
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9902/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1744
Date Prepared: 07/11/2005 1021

Analysis Batch: 660-9963
Prep Batch: 660-9902
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	94	96	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9902

Method: 245.1
Preparation: 245.1

MS Lab Sample ID:	660-2975-1	Analysis Batch:	660-9963	Instrument ID:	HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch:	660-9902	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/11/2005 1751			Final Weight/Volume:	50 mL
Date Prepared:	07/11/2005 1021				

MSD Lab Sample ID:	660-2975-1	Analysis Batch:	660-9963	Instrument ID:	HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch:	660-9902	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/11/2005 1753			Final Weight/Volume:	50 mL
Date Prepared:	07/11/2005 1021				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	95	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-9995

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-9995/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9995

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-9995/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-9995/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	100	100	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9995

Method: 160.1
Preparation: N/A

MS Lab Sample ID:	660-2975-1	Analysis Batch:	660-9995	Instrument ID:	Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/11/2005 1010			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-2975-1	Analysis Batch:	660-9995	Instrument ID:	Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/11/2005 1010			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Dissolved Solids	101	102	80 - 120	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-9952

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 660-9952/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1202
Date Prepared: N/A

Analysis Batch: 660-9952
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.90	U	0.90	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9952

Method: 325.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9952/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1203
Date Prepared: N/A

Analysis Batch: 660-9952
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-9952/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1204
Date Prepared: N/A

Analysis Batch: 660-9952
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	99	101	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-10026

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-10026/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1308
Date Prepared: N/A

Analysis Batch: 660-10026
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10026

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10026/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1310
Date Prepared: N/A

Analysis Batch: 660-10026
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10026/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1312
Date Prepared: N/A

Analysis Batch: 660-10026
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	99	97	85 - 115	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10026

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-2962-A-2 MS	Analysis Batch: 660-10026	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/12/2005 1316		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-2962-A-2 MSD	Analysis Batch: 660-10026	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/12/2005 1318		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	106	98	85 - 115	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-2975-1

Method Blank - Batch: 660-9847

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-9847/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2005 1448
Date Prepared: N/A

Analysis Batch: 660-9847
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrogen	0.010	U	0.010	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9847

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9847/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2005 1448
Date Prepared: N/A

Analysis Batch: 660-9847
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 660-9847/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2005 1448
Date Prepared: N/A

Analysis Batch: 660-9847
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrogen	106	107	80 - 120	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-2975-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9847

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-2975-1	Analysis Batch:	660-9847	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/06/2005 1448			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-2975-1	Analysis Batch:	660-9847	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/06/2005 1448			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrogen	118	103	80 - 120	13	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 20300

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

2975

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
TRAILRIDGE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: WM	CLIENT E-MAIL	
CLIENT ADDRESS: 5110 HWY 301 BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: Cl; NO3, TDS (None)	T-Ammonia (H2SO4)	API Metals + Fe, Hg, Na (HNO3)	8260 APPI (HCl)	EDB (HCl)	Thallium (HNO3)	Diss. Metals (HNO3)	REMARKS
7-5	1136	MWB12I	G	X				1	1	1	3	3	1		
7-5	1155	MWB12D	G	X				1	1	1	3	3	1		
7-5	1216	MWB12S	G	X				1	1	1	3	3	1		
7-5	1259	MWB7I	G	X				1	1	1	3	3	1		
7-5	1319	MWB7D	G	X				1	1	1	3	3	1		
7-5	1339	MWB7S	G	X				1	1	1	3	3	1		
7-5	1400	MWB20S	G	X				1	1	1	3	3	1		
7-5	1420	MWB21S	G	X				1	1	1	3	3	1		
7-5	1503	MWB19I	G	X				1	1	1	3	3	1	1	
7-5	1524	MWB19S	G	X				1	1	1	3	3	1	1	
7-5	—	TRIP	G	X							3	3			

PRESERVATIVE

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	7/6/05	1400		7-5-05	1930			
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	7/6/05	0815	YES ○ NO ○		2975	

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-3044-1

Job Description: Semi-annual Phase I-V/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/21/2005

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

SEVERN TRENT STL

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3044-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3044-1	**MWB13S**					
Total Dissolved Solids		110		5.0	mg/L	160.1
Chloride		19		1.0	mg/L	325.2
Ammonia		0.33		0.050	mg/L	350.1
Nitrate Nitrogen		0.80		0.050	mg/L	353.2
Dissolved						
Barium		7.4	I	10	ug/L	200.7 Rev 4.4
Iron		79		50	ug/L	200.7 Rev 4.4
Sodium		7.9		0.50	mg/L	200.7 Rev 4.4
Vanadium		38		10	ug/L	200.7 Rev 4.4
Total Recoverable						
Barium		8.6	I	10	ug/L	200.7 Rev 4.4
Chromium		3.3	I	10	ug/L	200.7 Rev 4.4
Copper		13	I	20	ug/L	200.7 Rev 4.4
Iron		210		50	ug/L	200.7 Rev 4.4
Sodium		8.1		0.50	mg/L	200.7 Rev 4.4
Selenium		11		10	ug/L	200.7 Rev 4.4
Vanadium		41		10	ug/L	200.7 Rev 4.4
660-3044-2	**MWB13I**					
Total Dissolved Solids		18		5.0	mg/L	160.1
Chloride		5.8		1.0	mg/L	325.2
Nitrate Nitrogen		0.015	I	0.050	mg/L	353.2
Total Recoverable						
Barium		33		10	ug/L	200.7 Rev 4.4
Iron		410		50	ug/L	200.7 Rev 4.4
Sodium		3.3		0.50	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3044-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3044-3	**MWB34S**					
Acetone		110		20	ug/L	8260B
Benzene		0.53	I	1.0	ug/L	8260B
Methyl Ethyl Ketone		150		10	ug/L	8260B
Total Dissolved Solids		2000		5.0	mg/L	160.1
Chloride		540		1.0	mg/L	325.2
Ammonia		190		0.050	mg/L	350.1
Total Recoverable						
Arsenic		11		10	ug/L	200.7 Rev 4.4
Barium		29		10	ug/L	200.7 Rev 4.4
Cobalt		9.6	I	10	ug/L	200.7 Rev 4.4
Chromium		19		10	ug/L	200.7 Rev 4.4
Copper		15	I	20	ug/L	200.7 Rev 4.4
Iron		530		50	ug/L	200.7 Rev 4.4
Sodium		520		2.5	mg/L	200.7 Rev 4.4
Nickel		50		40	ug/L	200.7 Rev 4.4
Antimony		7.8		6.0	ug/L	200.7 Rev 4.4
Vanadium		31		10	ug/L	200.7 Rev 4.4
660-3044-4	**MWB34I**					
Total Dissolved Solids		28		5.0	mg/L	160.1
Chloride		6.9		1.0	mg/L	325.2
Ammonia		0.047	I	0.050	mg/L	350.1
Total Recoverable						
Barium		48		10	ug/L	200.7 Rev 4.4
Iron		470		50	ug/L	200.7 Rev 4.4
Sodium		3.1		0.50	mg/L	200.7 Rev 4.4
660-3044-5	**MWB34D**					
Benzene		0.45	I	1.0	ug/L	8260B
Toluene		1.7		1.0	ug/L	8260B
Total Dissolved Solids		160		5.0	mg/L	160.1
Chloride		5.7		1.0	mg/L	325.2
Ammonia		0.12		0.050	mg/L	350.1
Total Recoverable						
Barium		82		10	ug/L	200.7 Rev 4.4
Iron		370		50	ug/L	200.7 Rev 4.4
Sodium		5.2		0.50	mg/L	200.7 Rev 4.4

SEVERN TRENT STL

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3044-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3044-6	**MWB33S**					
Total Dissolved Solids		100		5.0	mg/L	160.1
Chloride		20		1.0	mg/L	325.2
Ammonia		0.33		0.050	mg/L	350.1
Dissolved						
Barium		18		10	ug/L	200.7 Rev 4.4
Iron		330		50	ug/L	200.7 Rev 4.4
Sodium		9.4		0.50	mg/L	200.7 Rev 4.4
Vanadium		6.8	I	10	ug/L	200.7 Rev 4.4
Total Recoverable						
Barium		18		10	ug/L	200.7 Rev 4.4
Chromium		1.8	I	10	ug/L	200.7 Rev 4.4
Iron		320		50	ug/L	200.7 Rev 4.4
Sodium		9.7		0.50	mg/L	200.7 Rev 4.4
Vanadium		7.3	I	10	ug/L	200.7 Rev 4.4
660-3044-8FB	**FB**					
Nitrate Nitrogen		0.018	I	0.050	mg/L	353.2
660-3044-9FD	**DUP04**					
Total Dissolved Solids		14		5.0	mg/L	160.1
Chloride		5.8		1.0	mg/L	325.2
Total Recoverable						
Barium		33		10	ug/L	200.7 Rev 4.4
Chromium		1.8	I	10	ug/L	200.7 Rev 4.4
Iron		450		50	ug/L	200.7 Rev 4.4
Sodium		3.2		0.50	mg/L	200.7 Rev 4.4

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3044-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-TAM	SW846 8260B	
Purge-and-Trap	STL-TAM		SW846 5030B
EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography	STL-TAM	EPA-01 504.1	
EDB, DBCP, and 123TCP in Water by	STL-TAM		EPA-DW 504.1
ICP Metals by 200.7	STL-TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL-TAM		40CFR136A 200.7 Appx C
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
ICPMS Metals by 200.8 CWA	STL-SAV	EPA 200.8	
Total Recoverable Metals for 200.8	STL-SAV		MCAWW 4.1.4
Sample Filtration performed in the Field	STL-SAV		FIELD_FLTRD
Mercury in Water by CVAA	STL-TAM	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-TAM		EPA 245.1
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
Field Sampling	STL-TAM	EPA Field Sampling	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-TAM	MCAWW 160.1	
Chloride (Colorimetric, Automated Ferricyanide, AAI	STL-TAM	MCAWW 325.2	
Nitrogen (Ammonia, Colorimetric, Automated Phenate)	STL-TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAM	MCAWW 353.2	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3044-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3044-1	MWB13S	Water	07/07/2005 1210	07/08/2005 0830
660-3044-2	MWB13I	Water	07/07/2005 0818	07/08/2005 0830
660-3044-3	MWB34S	Water	07/07/2005 1012	07/08/2005 0830
660-3044-4	MWB34I	Water	07/07/2005 0955	07/08/2005 0830
660-3044-5	MWB34D	Water	07/07/2005 0923	07/08/2005 0830
660-3044-6	MWB33S	Water	07/07/2005 1031	07/08/2005 0830
660-3044-7EB	EB	Water	07/07/2005 1350	07/08/2005 0830
660-3044-8FB	FB	Water	07/07/2005 1400	07/08/2005 0830
660-3044-9FD	DUP04	Water	07/07/2005 0818	07/08/2005 0830
660-3044-10TB	TRIP BLANK 8260APPI	Water	07/07/2005 0818	07/08/2005 0830
660-3044-11TB	TRIP BLANK EDB	Water	07/07/2005 0818	07/08/2005 0830

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB13S**

Lab Sample ID: 660-3044-1
Client Matrix: Water

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1837
Date Prepared: 07/15/2005 1837

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1515.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB13S**

Lab Sample ID: 660-3044-1
Client Matrix: Water

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1837
Date Prepared: 07/15/2005 1837

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1515.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	87	74 - 126
Dibromofluoromethane	83	70 - 130
Toluene-d8	93	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB13I

Lab Sample ID: 660-3044-2
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1902
Date Prepared: 07/15/2005 1902

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1516.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB13I**

Lab Sample ID: 660-3044-2
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1902
Date Prepared: 07/15/2005 1902

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1516.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	92	70 - 130
Toluene-d8	92	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34S

Lab Sample ID: 660-3044-3
Client Matrix: Water

Date Sampled: 07/07/2005 1012
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1926
Date Prepared: 07/15/2005 1926

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1517.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	110		9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.53	I	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	150		8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB34S**

Lab Sample ID: 660-3044-3
Client Matrix: Water

Date Sampled: 07/07/2005 1012
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1926
Date Prepared: 07/15/2005 1926

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1517.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	87	74 - 126
Dibromofluoromethane	86	70 - 130
Toluene-d8	95	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34I

Lab Sample ID: 660-3044-4
Client Matrix: Water

Date Sampled: 07/07/2005 0955
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1951
Date Prepared: 07/15/2005 1951

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1518.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34I

Lab Sample ID: 660-3044-4
Client Matrix: Water

Date Sampled: 07/07/2005 0955
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1951
Date Prepared: 07/15/2005 1951

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1518.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	83	74 - 126
Dibromofluoromethane	84	70 - 130
Toluene-d8	94	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34D

Lab Sample ID: 660-3044-5
Client Matrix: Water

Date Sampled: 07/07/2005 0923
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 2016
Date Prepared: 07/15/2005 2016

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1519.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.45	I	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	1.7		0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB34D**

Lab Sample ID: 660-3044-5
Client Matrix: Water

Date Sampled: 07/07/2005 0923
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 2016
Date Prepared: 07/15/2005 2016

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1519.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92	74 - 126
Dibromofluoromethane	86	70 - 130
Toluene-d8	109	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB33S

Lab Sample ID: 660-3044-6
Client Matrix: Water

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 2041
Date Prepared: 07/15/2005 2041

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1520.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB33S**

Lab Sample ID: 660-3044-6
Client Matrix: Water

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 2041
Date Prepared: 07/15/2005 2041

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1520.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	81	70 - 130
Toluene-d8	98	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: EB

Lab Sample ID: 660-3044-7EB
Client Matrix: Water

Date Sampled: 07/07/2005 1350
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1723
Date Prepared: 07/15/2005 1723

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1512.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: EB

Lab Sample ID: 660-3044-7EB
Client Matrix: Water

Date Sampled: 07/07/2005 1350
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1723
Date Prepared: 07/15/2005 1723

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1512.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	79	74 - 126
Dibromofluoromethane	79	70 - 130
Toluene-d8	93	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: FB

Lab Sample ID: 660-3044-8FB
Client Matrix: Water

Date Sampled: 07/07/2005 1400
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1747
Date Prepared: 07/15/2005 1747

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1513.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **FB**

Lab Sample ID: 660-3044-8FB
Client Matrix: Water

Date Sampled: 07/07/2005 1400
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1747
Date Prepared: 07/15/2005 1747

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1513.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	80	74 - 126
Dibromofluoromethane	75	70 - 130
Toluene-d8	97	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **DUP04**

Lab Sample ID: 660-3044-9FD
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 2106
Date Prepared: 07/15/2005 2106

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1521.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **DUP04**

Lab Sample ID: 660-3044-9FD
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 2106
Date Prepared: 07/15/2005 2106

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1521.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	86	74 - 126
Dibromofluoromethane	84	70 - 130
Toluene-d8	97	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **TRIP BLANK 8260APPI**

Lab Sample ID: 660-3044-10TB
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1812
Date Prepared: 07/15/2005 1812

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1514.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **TRIP BLANK 8260APPI**

Lab Sample ID: 660-3044-10TB
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/15/2005 1812
Date Prepared: 07/15/2005 1812

Analysis Batch: 660-10401

Instrument ID: BVME GC/MS
Lab File ID: 1EG1514.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	78	70 - 130
Toluene-d8	92	77 - 122

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB13S**

Lab Sample ID: 660-3044-1
Client Matrix: Water

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0042
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S049.D
Initial Weight/Volume: 34.6247 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0088	U	0.0088	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB13I

Lab Sample ID: 660-3044-2
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0145
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S052.D
Initial Weight/Volume: 34.8516 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB34S**

Lab Sample ID: 660-3044-3
Client Matrix: Water

Date Sampled: 07/07/2005 1012
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0227
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S054.D
Initial Weight/Volume: 34.8653 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB34I**

Lab Sample ID: 660-3044-4
Client Matrix: Water

Date Sampled: 07/07/2005 0955
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0248
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S055.D
Initial Weight/Volume: 34.3589 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34D

Lab Sample ID: 660-3044-5
Client Matrix: Water

Date Sampled: 07/07/2005 0923
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0309
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S056.D
Initial Weight/Volume: 33.7483 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.021
Ethylene Dibromide	0.0090	U	0.0090	0.021

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **MWB33S**

Lab Sample ID: 660-3044-6
Client Matrix: Water

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0330
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S057.D
Initial Weight/Volume: 35.0787 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: EB

Lab Sample ID: 660-3044-7EB
Client Matrix: Water

Date Sampled: 07/07/2005 1350
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0350
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S058.D
Initial Weight/Volume: 35.0661 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: FB

Lab Sample ID: 660-3044-8FB
Client Matrix: Water

Date Sampled: 07/07/2005 1400
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0411
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S059.D
Initial Weight/Volume: 34.2058 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: DUP04

Lab Sample ID: 660-3044-9FD
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0432
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S060.D
Initial Weight/Volume: 34.9330 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: **TRIP BLANK EDB**

Lab Sample ID: 660-3044-11TB
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0535
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S063.D
Initial Weight/Volume: 32.3207 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0032	U	0.0032	0.022
Ethylene Dibromide	0.0094	U	0.0094	0.022

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB13S

Lab Sample ID: 660-3044-1
Client Matrix: Water

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1606
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	8.1		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1606
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	8.6	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	3.3	I	1.7	10
Copper	13	I	5.0	20
Iron	210		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	11		5.9	10
Vanadium	41		2.5	10
Zinc	5.9	U	5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1404
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	7.9		0.31	0.50

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB13S

Lab Sample ID: 660-3044-1
Client Matrix: Water

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1404
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	7.4	I	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	79		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	38		2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0736
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB13S

Lab Sample ID: 660-3044-1
Client Matrix: Water

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1458
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1607
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1616
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB13I

Lab Sample ID:	660-3044-2	Date Sampled:	07/07/2005 0818
Client Matrix:	Water	Date Received:	07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 660-10101		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-9974		Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1612			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 0913				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.3		0.31	0.50

Method:	200.7 Rev 4.4	Analysis Batch: 660-10101		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-9974		Lab File ID:	5G13A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2005 1612			Final Weight/Volume:	50 mL
Date Prepared:	07/12/2005 0913				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	33		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	410		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method:	200.8	Analysis Batch: 680-16338		Instrument ID:	ICP MS
Preparation:	4.1.4	Prep Batch: 680-15879		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/17/2005 0744			Final Weight/Volume:	250 mL
Date Prepared:	07/13/2005 0954				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB13I

Lab Sample ID: 660-3044-2
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1618
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34S

Lab Sample ID: 660-3044-3
Client Matrix: Water

Date Sampled: 07/07/2005 1012
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1629
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	11		4.8	10
Barium	29		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	9.6	I	1.6	10
Chromium	19		1.7	10
Copper	15	I	5.0	20
Iron	530		22	50
Nickel	50		4.7	40
Antimony	7.8		3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	31		2.5	10
Zinc	5.9	U	5.9	20

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 5.0
Date Analyzed: 07/13/2005 1635
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	520		1.6	2.5

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0751
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34S

Lab Sample ID: 660-3044-3
Client Matrix: Water

Date Sampled: 07/07/2005 1012
Date Received: 07/08/2005 0830

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1620
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34I

Lab Sample ID: 660-3044-4
Client Matrix: Water

Date Sampled: 07/07/2005 0955
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1641
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.1		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1641
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	48		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	470		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0758
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34I

Lab Sample ID: 660-3044-4
Client Matrix: Water

Date Sampled: 07/07/2005 0955
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1621
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34D

Lab Sample ID: 660-3044-5
Client Matrix: Water

Date Sampled: 07/07/2005 0923
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1647
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	5.2		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1647
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	82		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	370		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0805
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB34D

Lab Sample ID: 660-3044-5
Client Matrix: Water

Date Sampled: 07/07/2005 0923
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1623
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB33S

Lab Sample ID: 660-3044-6
Client Matrix: Water

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1652
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	9.7		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1652
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	18		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.8	I	1.7	10
Copper	5.0	U	5.0	20
Iron	320		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	7.3	I	2.5	10
Zinc	5.9	U	5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1409
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	9.4		0.31	0.50

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: MWB33S

Lab Sample ID: 660-3044-6
Client Matrix: Water

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1409
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	18		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	330		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	6.8	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0813
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client Sample ID: MWB33S

Lab Sample ID: 660-3044-6
Client Matrix: Water

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1505
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1625
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1627
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: EB

Lab Sample ID: 660-3044-7EB
Client Matrix: Water

Date Sampled: 07/07/2005 1350
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1658
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1658
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0820
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: EB

Lab Sample ID: 660-3044-7EB
Client Matrix: Water

Date Sampled: 07/07/2005 1350
Date Received: 07/08/2005 0830

245.1 Mercury In Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1629
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: FB

Lab Sample ID: 660-3044-8FB
Client Matrix: Water

Date Sampled: 07/07/2005 1400
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1704
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1704
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0827
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: FB

Lab Sample ID: 660-3044-8FB
Client Matrix: Water

Date Sampled: 07/07/2005 1400
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1631
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: DUP04

Lab Sample ID: 660-3044-9FD
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1710
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.2		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1710
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	33		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.8	I	1.7	10
Copper	5.0	U	5.0	20
Iron	450		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 0834
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3044-1

Client Sample ID: DUP04

Lab Sample ID: 660-3044-9FD
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1633
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Field Service / Mobile Lab

Client Sample ID: MWB13S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	11.09		ft	1.0	Field	660-	07/07/2005 1210
Oxygen, Dissolved	2.5		mg/L	1.0	Field	660-	07/07/2005 1210
Water Level	114.97		ft	1.0	Field	660-	07/07/2005 1210
Turbidity	60.7		NTU	1.0	Field	660-	07/07/2005 1210
Field pH	5.40		SU	1.0	Field	660-	07/07/2005 1210
Specific Conductance	171		umhos/cm	1.0	Field	660-	07/07/2005 1210
Field Temperature	23.4		Degrees C	1.0	Field	660-	07/07/2005 1210

Client Sample ID: MWB13I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	16.60		ft	1.0	Field	660-	07/07/2005 0818
Oxygen, Dissolved	1.5		mg/L	1.0	Field	660-	07/07/2005 0818
Water Level	109.38		ft	1.0	Field	660-	07/07/2005 0818
Turbidity	11.7		NTU	1.0	Field	660-	07/07/2005 0818
Field pH	5.08		SU	1.0	Field	660-	07/07/2005 0818
Specific Conductance	36		umhos/cm	1.0	Field	660-	07/07/2005 0818
Field Temperature	22.6		Degrees C	1.0	Field	660-	07/07/2005 0818

Field Service / Mobile Lab

Client Sample ID: MWB34S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1012
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	7.69		ft	1.0	Field	660-	07/07/2005 1012
Oxygen, Dissolved	0.5		mg/L	1.0	Field	660-	07/07/2005 1012
Water Level	118.09		ft	1.0	Field	660-	07/07/2005 1012
Turbidity	18.8		NTU	1.0	Field	660-	07/07/2005 1012
Field pH	6.58		SU	1.0	Field	660-	07/07/2005 1012
Specific Conductance	4551		umhos/cm	1.0	Field	660-	07/07/2005 1012
Field Temperature	24.4		Degrees C	1.0	Field	660-	07/07/2005 1012

Client Sample ID: MWB34I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 0955
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	7.84		ft	1.0	Field	660-	07/07/2005 0955
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-	07/07/2005 0955
Water Level	117.96		ft	1.0	Field	660-	07/07/2005 0955
Turbidity	14.2		NTU	1.0	Field	660-	07/07/2005 0955
Field pH	5.33		SU	1.0	Field	660-	07/07/2005 0955
Specific Conductance	44		umhos/cm	1.0	Field	660-	07/07/2005 0955
Field Temperature	22.1		Degrees C	1.0	Field	660-	07/07/2005 0955

Field Service / Mobile Lab

Client Sample ID: MWB34D

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 0923
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	7.98		ft	1.0	Field	660-	07/07/2005 0923
Oxygen, Dissolved	1.1		mg/L	1.0	Field	660-	07/07/2005 0923
Water Level	117.94		ft	1.0	Field	660-	07/07/2005 0923
Turbidity	1.1		NTU	1.0	Field	660-	07/07/2005 0923
Field pH	7.08		SU	1.0	Field	660-	07/07/2005 0923
Specific Conductance	362		umhos/cm	1.0	Field	660-	07/07/2005 0923
Field Temperature	21.5		Degrees C	1.0	Field	660-	07/07/2005 0923

Client Sample ID: MWB33S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	9.53		ft	1.0	Field	660-	07/07/2005 1031
Oxygen, Dissolved	1.4		mg/L	1.0	Field	660-	07/07/2005 1031
Water Level	116.37		ft	1.0	Field	660-	07/07/2005 1031
Turbidity	49.8		NTU	1.0	Field	660-	07/07/2005 1031
Field pH	5.48		SU	1.0	Field	660-	07/07/2005 1031
Specific Conductance	180		umhos/cm	1.0	Field	660-	07/07/2005 1031
Field Temperature	23.4		Degrees C	1.0	Field	660-	07/07/2005 1031

General Chemistry

Client Sample ID: MWB13S

Lab Sample ID: 660-3044-1
Client Matrix: Water

Date Sampled: 07/07/2005 1210
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.33		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10370	Date Analyzed 07/16/2005 1242					
Chloride	19		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-10220	Date Analyzed 07/14/2005 1611					
Nitrate Nitrogen	0.80		mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	110		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300					

Client Sample ID: MWB13I

Lab Sample ID: 660-3044-2
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10370	Date Analyzed 07/16/2005 1242					
Chloride	5.8		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-10220	Date Analyzed 07/14/2005 1612					
Nitrate Nitrogen	0.015	I	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	18		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300					

General Chemistry

Client Sample ID: MWB34S

Lab Sample ID: 660-3044-3
Client Matrix: Water

Date Sampled: 07/07/2005 1012
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	190		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10370	Date Analyzed 07/16/2005 1242					
Chloride	540		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-10220	Date Analyzed 07/14/2005 1630					
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	2000		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300					

Client Sample ID: MWB34I

Lab Sample ID: 660-3044-4
Client Matrix: Water

Date Sampled: 07/07/2005 0955
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.047	I	mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10370	Date Analyzed 07/16/2005 1242					
Chloride	6.9		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-10220	Date Analyzed 07/14/2005 1614					
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449					

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	28		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300					

General Chemistry

Client Sample ID: MWB34D

Lab Sample ID: 660-3044-5
Client Matrix: Water

Date Sampled: 07/07/2005 0923
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.12		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10370	Date Analyzed	07/16/2005 1242				
Chloride	5.7		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-10220	Date Analyzed	07/14/2005 1614				
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9893	Date Analyzed	07/08/2005 1449				

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	160		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-10324	Date Analyzed	07/14/2005 1300				

Client Sample ID: MWB33S

Lab Sample ID: 660-3044-6
Client Matrix: Water

Date Sampled: 07/07/2005 1031
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.33		mg/L	0.040	0.050	1.0	350.1
	Anly Batch: 660-10370	Date Analyzed	07/16/2005 1242				
Chloride	20		mg/L	0.90	1.0	1.0	325.2
	Anly Batch: 660-10220	Date Analyzed	07/14/2005 1615				
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
	Anly Batch: 660-9893	Date Analyzed	07/08/2005 1449				

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	100		mg/L	5.0	5.0	1.0	160.1
	Anly Batch: 660-10324	Date Analyzed	07/14/2005 1300				

General Chemistry

Client Sample ID: EB

Lab Sample ID: 660-3044-7EB
Client Matrix: Water

Date Sampled: 07/07/2005 1350
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10370	Date Analyzed 07/16/2005 1242						
Chloride	0.90	U	mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10220	Date Analyzed 07/14/2005 1615						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	5.0	U	mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300						

Client Sample ID: FB

Lab Sample ID: 660-3044-8FB
Client Matrix: Water

Date Sampled: 07/07/2005 1400
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10370	Date Analyzed 07/16/2005 1242						
Chloride	0.90	U	mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10220	Date Analyzed 07/14/2005 1616						
Nitrate Nitrogen	0.018	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	5.0	U	mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300						

General Chemistry

Client Sample ID: DUP04

Lab Sample ID: 660-3044-9FD
Client Matrix: Water

Date Sampled: 07/07/2005 0818
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10370	Date Analyzed 07/16/2005 1242						
Chloride	5.8		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10220	Date Analyzed 07/14/2005 1616						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	14		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300						

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DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3044-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected .
Metals		
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-10401

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10401/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1427
Date Prepared: 07/15/2005 1427

Analysis Batch: 660-10401
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1507.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-10401

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10401/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1427
Date Prepared: 07/15/2005 1427

Analysis Batch: 660-10401
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1507.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	87	74 - 126
Dibromofluoromethane	92	70 - 130
Toluene-d8	98	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10401

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10401/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1452
Date Prepared: 07/15/2005 1452

Analysis Batch: 660-10401
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1508.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10401/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1516
Date Prepared: 07/15/2005 1516

Analysis Batch: 660-10401
Prep Batch: N/A
Units: ug/L

Instrument ID: BVME GC/MS
Lab File ID: 1EG1509.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	85	81	62 - 135	5	37		
Chlorobenzene	96	110	72 - 127	13	22		
1,1-Dichloroethene	78	82	46 - 147	5	30		
Toluene	98	97	68 - 131	2	33		
Trichloroethene	86	83	56 - 143	4	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10401

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-3044-6	Analysis Batch: 660-10401	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1522.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/15/2005 2131		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 2131		

MSD Lab Sample ID:	660-3044-6	Analysis Batch: 660-10401	Instrument ID: BVME GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1EG1523.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/15/2005 2155		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 2155		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	77	78	62 - 135	2	37		
Chlorobenzene	98	105	72 - 127	7	22		
1,1-Dichloroethene	76	81	46 - 147	6	30		
Toluene	92	96	68 - 131	4	33		
Trichloroethene	78	77	56 - 143	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-10254

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-10254/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 2340
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S046.D
Initial Weight/Volume: 34.6496 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0088	U	0.0088	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-10254/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0000
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S047.D
Initial Weight/Volume: 34.4460 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10254/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0021
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S048.D
Initial Weight/Volume: 35.0693 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	109	113	70 - 130	1	30		
Ethylene Dibromide	98	101	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-3044-1	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S050.D
Dilution:	1.0		Initial Weight/Volume: 35.4480 g
Date Analyzed:	07/15/2005 0103		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	660-3044-1	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S051.D
Dilution:	1.0		Initial Weight/Volume: 34.7048 g
Date Analyzed:	07/15/2005 0124		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	107	106	70 - 130	1	30		
Ethylene Dibromide	108	107	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

LCS Lab Sample ID: LCS 660-9970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1258
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1304
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	100	98	85 - 115	2	20		
Arsenic	102	99	85 - 115	3	20		
Barium	102	100	85 - 115	2	20		
Beryllium	100	97	85 - 115	3	20		
Cadmium	102	99	85 - 115	3	20		
Cobalt	102	100	85 - 115	3	20		
Chromium	101	98	85 - 115	3	20		
Copper	102	100	85 - 115	2	20		
Iron	103	100	85 - 115	2	20		
Sodium	100	99	85 - 115	1	20		
Nickel	105	101	85 - 115	3	20		
Antimony	96	93	85 - 115	3	20		
Lead	102	100	85 - 115	3	20		
Selenium	103	101	85 - 115	3	20		
Vanadium	102	99	85 - 115	3	20		
Zinc	111	107	85 - 115	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

MS Lab Sample ID:	660-2975-K-9-C MS*D	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9970	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1322		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0904		

MSD Lab Sample ID:	660-2975-K-9-D MSD*D	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9970	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1328		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0904		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	99	99	85 - 115	0	20		
Arsenic	100	100	85 - 115	0	20		
Barium	101	101	85 - 115	0	20		
Beryllium	98	99	85 - 115	0	20		
Cadmium	100	100	85 - 115	0	20		
Cobalt	100	101	85 - 115	1	20		
Chromium	100	100	85 - 115	1	20		
Copper	101	101	85 - 115	0	20		
Iron	102	101	85 - 115	1	20		
Sodium	101	100	85 - 115	1	20		
Nickel	102	103	85 - 115	0	20		
Antimony	95	95	85 - 115	0	20		
Lead	100	100	85 - 115	0	20		
Selenium	101	101	85 - 115	0	20		
Vanadium	101	101	85 - 115	0	20		
Zinc	108	109	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9974/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1433
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9974/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1433
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-9974/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1438
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9974/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1444
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	100	98	85 - 115	2	20		
Arsenic	101	101	85 - 115	0	20		
Barium	101	99	85 - 115	2	20		
Beryllium	98	97	85 - 115	2	20		
Cadmium	101	100	85 - 115	1	20		
Cobalt	102	100	85 - 115	2	20		
Chromium	100	99	85 - 115	2	20		
Copper	101	99	85 - 115	2	20		
Iron	103	100	85 - 115	2	20		
Sodium	101	98	85 - 115	2	20		
Nickel	105	104	85 - 115	1	20		
Antimony	95	95	85 - 115	1	20		
Lead	102	101	85 - 115	1	20		
Selenium	103	101	85 - 115	1	20		
Vanadium	101	99	85 - 115	2	20		
Zinc	111	109	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-2958-G-1-C MS*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9974	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1502		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0913		

MSD Lab Sample ID:	660-2958-G-1-D MSD*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9974	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1519		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0913		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	102	101	85 - 115	1	20		
Arsenic	106	106	85 - 115	0	20		
Barium	99	98	85 - 115	1	20		
Beryllium	99	97	85 - 115	2	20		
Cadmium	101	101	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	99	98	85 - 115	1	20		
Copper	102	101	85 - 115	1	20		
Iron	101	101	85 - 115	0	20		
Sodium	-2	63	85 - 115	2	20		
Nickel	105	107	85 - 115	1	20		
Antimony	99	99	85 - 115	0	20		
Lead	103	103	85 - 115	0	20		
Selenium	108	107	85 - 115	1	20		
Vanadium	101	100	85 - 115	1	20		
Zinc	113	113	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 680-15879

Method: 200.8
Preparation: 4.1.4
Total Recoverable

Lab Sample ID: MB 680-15879/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0407
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-15879

Method: 200.8
Preparation: 4.1.4
Total Recoverable

LCS Lab Sample ID: LCS 680-15879/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0415
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 680-15879/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 0422
Date Prepared: 07/13/2005 0954

Analysis Batch: 680-16338
Prep Batch: 680-15879
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	95	97	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Dissolved

Lab Sample ID: MB 680-16069/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1240
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-9921

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-9921/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1600
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 660-9921/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1602
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9921/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1604
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	94	96	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

MS Lab Sample ID:	660-3044-1	Analysis Batch:	660-10032	Instrument ID:	HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch:	660-9921	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/12/2005 1609			Final Weight/Volume:	50 mL
Date Prepared:	07/11/2005 1325				

MSD Lab Sample ID:	660-3044-1	Analysis Batch:	660-10032	Instrument ID:	HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch:	660-9921	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/12/2005 1611			Final Weight/Volume:	50 mL
Date Prepared:	07/11/2005 1325				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	94	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results..

Quality Control Results

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-10324

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-10324/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10324
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10324

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10324/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10324
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-10324/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10324
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	98	99	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10324

Method: 160.1
Preparation: N/A

MS Lab Sample ID:	660-3044-1	Analysis Batch: 660-10324	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/14/2005 1300		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3044-1	Analysis Batch: 660-10324	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/14/2005 1300		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Dissolved Solids	98	98	80 - 120	0	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-10220

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 660-10220/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1557
Date Prepared: N/A

Analysis Batch: 660-10220
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.90	U	0.90	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10220

Method: 325.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-10220/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1558
Date Prepared: N/A

Analysis Batch: 660-10220
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10220/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1559
Date Prepared: N/A

Analysis Batch: 660-10220
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	102	103	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10220

Method: 325.2
Preparation: N/A

MS Lab Sample ID:	660-3018-B-1 MS	Analysis Batch: 660-10220	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 2 mL
Date Analyzed:	07/14/2005 1600		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3018-B-1 MSD	Analysis Batch: 660-10220	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 2 mL
Date Analyzed:	07/14/2005 1601		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	97	100	90 - 110	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-10370

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-10370/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 1242
Date Prepared: N/A

Analysis Batch: 660-10370
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10370

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10370/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 1242
Date Prepared: N/A

Analysis Batch: 660-10370
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10370/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 1242
Date Prepared: N/A

Analysis Batch: 660-10370
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	107	105	85 - 115	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Method Blank - Batch: 660-9893

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-9893/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1449
Date Prepared: N/A

Analysis Batch: 660-9893
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrogen	0.010	U	0.010	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9893

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9893/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1449
Date Prepared: N/A

Analysis Batch: 660-9893
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 660-9893/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1449
Date Prepared: N/A

Analysis Batch: 660-9893
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrogen	93	92	80 - 120	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3044-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9893

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-3045-A-1 MS	Analysis Batch: 660-9893	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/08/2005 1449		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3045-A-1 MSD	Analysis Batch: 660-9893	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/08/2005 1449		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrogen	84	91	80 - 120	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 24202

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: City of Jacksonville	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ○ DATE DUE
CLIENT (SITE) PM: Al Burson	CLIENT PHONE: 904 289 7792	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: Trail Ridge	CLIENT E-MAIL		
CLIENT ADDRESS: 5110 HWY 301, Baldwin, FL 32234			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT,...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	Cl⁻, NO3, TDS (None)	T-NH3 (H2SO4)	APP I Metals Fe, Hg, Na (HNO3)	Thallium (HNO3)	8260 APP I (HCl)	EDB (HCl)	DISS. Metals				REMARKS
7-7	1210	MWB13S	G	X				1	1	1	1	3	3	1				
7-7	0818	MWB13I	G	X				1	1	1	1	3	3					
7-7	1012	MWB34S	G	X				1	1	1	1	3	3					
7-7	0955	MWB34I	G	X				1	1	1	1	3	3					
7-7	0923	MWB34D	G	X				1	1	1	1	3	3					
7-7	1031	MWB33S	G	X				1	1	1	1	3	3	1				
7-7	1350	EB	G	X				1	1	1	1	3	3					
7-7	1400	FB	G	X				1	1	1	1	3	3					
7-7	—	TRIP	G	X								3	3					
7-7	0818	DUP Ø4						1	1	1	1	3	3					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	7/1/05	1400	[signature]	7-7-05	2000			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY 4 4 4

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
[signature]	7-8-05	0830	YES ☒ NO ○	N/S	660-3044	

STL824[illegible] (12/[illegible]

SEVERN TRENT STL

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-3047-1

Job Description: Semi-annual Phase II/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/21/2005

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

SEVERN TRENT STL

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3047-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3047-1	**MWB 17 D**					
Total Dissolved Solids		36		5.0	mg/L	160.1
Chloride		7.5		1.0	mg/L	325.2
Total Recoverable						
Barium		35		10	ug/L	200.7 Rev 4.4
Beryllium		0.75	I	4.0	ug/L	200.7 Rev 4.4
Iron		510		50	ug/L	200.7 Rev 4.4
Sodium		3.2		0.50	mg/L	200.7 Rev 4.4

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3047-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-TAM	SW846 8260B	
Purge-and-Trap	STL-TAM		SW846 5030B
EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography	STL-TAM	EPA-01 504.1	
EDB, DBCP, and 123TCP in Water by	STL-TAM		EPA-DW 504.1
ICP Metals by 200.7	STL-TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL-TAM		40CFR136A 200.7 Appx C
ICPMS Metals by 200.8 CWA	STL-SAV	EPA 200.8	
Total Recoverable Metals for 200.8	STL-SAV		MCAWW 4.1.4
Mercury in Water by CVAA	STL-TAM	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-TAM		EPA 245.1
Field Sampling	STL-TAM	EPA Field Sampling	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-TAM	MCAWW 160.1	
Chloride (Colorimetric, Automated Ferricyanide, AAI	STL-TAM	MCAWW 325.2	
Nitrogen (Ammonia, Colorimetric, Automated Phenate)	STL-TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAM	MCAWW 353.2	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3047-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3047-1	MWB 17 D	Water	07/07/2005 0742	07/08/2005 1000
660-3047-2TB	TRIP BLANK	Water	07/07/2005 0742	07/08/2005 1000
660-3047-3TB	TRIP BLANK	Water	07/07/2005 0742	07/08/2005 1000

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: **MWB 17 D**

Lab Sample ID: 660-3047-1
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1505
Date Prepared: 07/14/2005 1505

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1414.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: **MWB 17 D**

Lab Sample ID: 660-3047-1
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1505
Date Prepared: 07/14/2005 1505

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1414.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	86		74 - 126
Dibromofluoromethane	105		70 - 130
Toluene-d8	124	J1	77 - 122

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 660-3047-2TB
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1440
Date Prepared: 07/14/2005 1440

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1413.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 660-3047-2TB
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1440
Date Prepared: 07/14/2005 1440

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1413.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	86	74 - 126
Dibromofluoromethane	115	70 - 130
Toluene-d8	110	77 - 122

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: **MWB 17 D**

Lab Sample ID: 660-3047-1
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/13/2005 0406
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S053.D
Initial Weight/Volume: 35.3922 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 660-3047-3TB
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/13/2005 0448
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S055.D
Initial Weight/Volume: 35.5972 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0029	U	0.0029	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: MWB 17 D

Lab Sample ID: 660-3047-1
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1716
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.2		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1716
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	35		1.2	10
Beryllium	0.75	I	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	510		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1450
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3047-1

Client Sample ID: MWB 17 D

Lab Sample ID: 660-3047-1
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1651
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Field Service / Mobile Lab

Client Sample ID: MWB 17 D

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	5.46		ft	1.0	Field	660-	07/07/2005 0742
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-	07/07/2005 0742
Water Level	133.06		ft	1.0	Field	660-	07/07/2005 0742
Turbidity	0.2		NTU	1.0	Field	660-	07/07/2005 0742
Field pH	5.56		SU	1.0	Field	660-	07/07/2005 0742
Specific Conductance	65		umhos/cm	1.0	Field	660-	07/07/2005 0742
Field Temperature	21.8		Degrees C	1.0	Field	660-	07/07/2005 0742

General Chemistry

Client Sample ID: MWB 17 D

Lab Sample ID: 660-3047-1
Client Matrix: Water

Date Sampled: 07/07/2005 0742
Date Received: 07/08/2005 1000

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1330						
Chloride	7.5		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10251	Date Analyzed 07/15/2005 0929						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9896	Date Analyzed 07/08/2005 1301						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	36		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3047-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J1	Estimated value; value may not be accurate. Surrogate recovery limits have been exceeded.
	U	Indicates that the compound was analyzed for but not detected
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected
Metals		
	U	Indicates that the compound was analyzed for but not detected
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-10201

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10201/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1410
Date Prepared: 07/13/2005 1410

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1315.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-10201

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10201/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1410
Date Prepared: 07/13/2005 1410

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1315.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	105	70 - 130
Toluene-d8	119	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10201

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10201/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1027
Date Prepared: 07/13/2005 1027

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1306.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10201/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1052
Date Prepared: 07/13/2005 1052

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1307.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	112	116	62 - 135	4	37		
Chlorobenzene	103	104	72 - 127	1	22		
1,1-Dichloroethylene	107	120	46 - 147	11	30		
Toluene	120	120	68 - 131	0	33		
Trichloroethene	114	120	56 - 143	5	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10201

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-3045-F-1 MS	Analysis Batch: 660-10201	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG1519.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1530		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 1530		

MSD Lab Sample ID:	660-3045-E-1 MSD	Analysis Batch: 660-10201	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG1520.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1555		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 1555		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	110	114	62 - 135	3	37		
Chlorobenzene	105	107	72 - 127	2	22		
1,1-Dichloroethene	111	117	46 - 147	6	30		
Toluene	122	125	68 - 131	2	33		
Trichloroethene	112	115	56 - 143	3	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-10121

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-10121/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0201
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S047.D
Initial Weight/Volume: 34.9942 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10121

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-10121/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0222
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S048.D
Initial Weight/Volume: 35.0632 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10121/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0243
Date Prepared: 07/12/2005 1300

Analysis Batch: 660-10238
Prep Batch: 660-10121
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G12S049.D
Initial Weight/Volume: 35.2422 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	123	125	70 - 130	1	30		
Ethylene Dibromide	98	101	70 - 130	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10121

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-3007-I-20-B MS	Analysis Batch: 660-10238	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10121	Lab File ID: 1G12S051.D
Dilution:	1.0		Initial Weight/Volume: 36.4305 g
Date Analyzed:	07/13/2005 0324		Final Weight/Volume: 3 mL
Date Prepared:	07/12/2005 1300		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	660-3007-I-20-C MSD	Analysis Batch: 660-10238	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10121	Lab File ID: 1G12S052.D
Dilution:	1.0		Initial Weight/Volume: 34.8561 g
Date Analyzed:	07/13/2005 0345		Final Weight/Volume: 3 mL
Date Prepared:	07/12/2005 1300		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	96	102	70 - 130	11	30		
Ethylene Dibromide	88	98	70 - 130	15	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9974/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1433
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9974/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1433
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-9974/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1438
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9974/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1444
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	100	98	85 - 115	2	20		
Arsenic	101	101	85 - 115	0	20		
Barium	101	99	85 - 115	2	20		
Beryllium	98	97	85 - 115	2	20		
Cadmium	101	100	85 - 115	1	20		
Cobalt	102	100	85 - 115	2	20		
Chromium	100	99	85 - 115	2	20		
Copper	101	99	85 - 115	2	20		
Iron	103	100	85 - 115	2	20		
Sodium	101	98	85 - 115	2	20		
Nickel	105	104	85 - 115	1	20		
Antimony	95	95	85 - 115	1	20		
Lead	102	101	85 - 115	1	20		
Selenium	103	101	85 - 115	1	20		
Vanadium	101	99	85 - 115	2	20		
Zinc	111	109	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-2958-G-1-C MS*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9974	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1502		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0913		

MSD Lab Sample ID:	660-2958-G-1-D MSD*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9974	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1519		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0913		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	102	101	85 - 115	1	20		
Arsenic	106	106	85 - 115	0	20		
Barium	99	98	85 - 115	1	20		
Beryllium	99	97	85 - 115	2	20		
Cadmium	101	101	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	99	98	85 - 115	1	20		
Copper	102	101	85 - 115	1	20		
Iron	101	101	85 - 115	0	20		
Sodium	-2	63	85 - 115	2	20		
Nickel	105	107	85 - 115	1	20		
Antimony	99	99	85 - 115	0	20		
Lead	103	103	85 - 115	0	20		
Selenium	108	107	85 - 115	1	20		
Vanadium	101	100	85 - 115	1	20		
Zinc	113	113	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

Lab Sample ID: MB 680-16069/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1240
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

LCS Lab Sample ID: LCS 680-16069/12-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1248
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 680-16069/13-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1255
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	93	95	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

MS Lab Sample ID:	660-3045-D-3-B MS*R	Analysis Batch: 680-16346	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-16069	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 1422		Final Weight/Volume: 250 mL
Date Prepared:	07/14/2005 1504		

MSD Lab Sample ID:	660-3045-D-3-C MSD*R	Analysis Batch: 680-16346	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-16069	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 1429		Final Weight/Volume: 250 mL
Date Prepared:	07/14/2005 1504		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Thallium	95	97	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-9921

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-9921/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1600
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 660-9921/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1602
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9921/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1604
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	94	96	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

MS Lab Sample ID:	660-3044-C-1-B MS	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch: 660-9921	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1609		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1325		

MSD Lab Sample ID:	660-3044-C-1-C MSD	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch: 660-9921	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1611		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1325		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	94	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-9995

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-9995/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9995

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-9995/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-9995/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	100	100	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9995

Method: 160.1
Preparation: N/A

MS Lab Sample ID:	660-2975-A-1 MS	Analysis Batch: 660-9995	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1010		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-2975-A-1 MSD	Analysis Batch: 660-9995	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1010		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Dissolved Solids	101	102	80 - 120	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-10251

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 660-10251/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0958
Date Prepared: N/A

Analysis Batch: 660-10251
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.90	U	0.90	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10251

Method: 325.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-10251/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0914
Date Prepared: N/A

Analysis Batch: 660-10251
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10251/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0915
Date Prepared: N/A

Analysis Batch: 660-10251
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	107	109	90 - 110	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-10210

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-10210/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1256
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10210/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1258
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10210/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	99	93	85 - 115	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-3023-C-1 MS	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1303		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3023-C-1 MSD	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1305		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	108	117	85 - 115	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3047-1

Method Blank - Batch: 660-9896

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-9896/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1301
Date Prepared: N/A

Analysis Batch: 660-9896
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrogen	0.010	U	0.010	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9896

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9896/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1301
Date Prepared: N/A

Analysis Batch: 660-9896
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 660-9896/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1301
Date Prepared: N/A

Analysis Batch: 660-9896
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrogen	99	97	80 - 120	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9896

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-3018-B-3 MS	Analysis Batch: 660-9896	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/08/2005 1301		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3018-B-3 MSD	Analysis Batch: 660-9896	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/08/2005 1301		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrogen	93	92	80 - 120	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

3047

Chain of Custody Record

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
CITY OF JACKSONVILLE	AL BURSON	7-7-05	326730

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
5110 HWY 301,			

City	State	Zip Code	Site Contact	Lab Contact
BALDWIN	FL	32234		

Project Name and Location (State)	Carrier/Waybill Number
TRAIL RIDGE - PHASE II	

Contract/Purchase Order/Quote No.

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Nstrio	Cl, NO3, TOS	T-NH3	APPI Me + Fe, Hg, Na	THALLIUM	8260 APP I	EDB	Special Instructions/ Conditions of Receipt
MWB17D	7-7	0742		X			1	1	2	3			3	1	1	1	1	3	3	
TRIP	7-7	—		X						3			3					3	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By [signature]	7-7-05	2000	1. Received By V. Rose[signature]	7/8/05	1000
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-3045-1

Job Description: Semi-annual Phase V/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/21/2005

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3045-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-TAM	SW846 8260B	
Purge-and-Trap	STL-TAM		SW846 5030B
EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography	STL-TAM	EPA-01 504.1	
EDB, DBCP, and 123TCP in Water by	STL-TAM		EPA-DW 504.1
ICP Metals by 200.7	STL-TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL-TAM		40CFR136A 200.7 Appx C
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
ICPMS Metals by 200.8 CWA	STL-SAV	EPA 200.8	
Total Recoverable Metals for 200.8	STL-SAV		MCAWW 4.1.4
Sample Filtration performed in the Field	STL-SAV		FIELD_FLTRD
Mercury in Water by CVAA	STL-TAM	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-TAM		EPA 245.1
Sample Filtration performed in the Field	STL-TAM		FIELD_FLTRD
Field Sampling	STL-TAM	EPA Field Sampling	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-TAM	MCAWW 160.1	
Chloride (Colorimetric, Automated Ferricyanide, AAI	STL-TAM	MCAWW 325.2	
Nitrogen (Ammonia, Colorimetric, Automated Phenate)	STL-TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAM	MCAWW 353.2	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3045-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3045-1	MWB 32 S	Water	07/07/2005 1156	07/08/2005 0830
660-3045-2	MWB 32 I	Water	07/07/2005 1117	07/08/2005 0830
660-3045-3	MWB 32 D	Water	07/07/2005 1134	07/08/2005 0830

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 S**

Lab Sample ID: 660-3045-1
Client Matrix: Water

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1529
Date Prepared: 07/14/2005 1529

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1415.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	57		9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	63		8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 S**

Lab Sample ID: 660-3045-1
Client Matrix: Water

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1529
Date Prepared: 07/14/2005 1529

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1415.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	86	74 - 126
Dibromofluoromethane	102	70 - 130
Toluene-d8	121	77 - 122

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 I**

Lab Sample ID: 660-3045-2
Client Matrix: Water

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1644
Date Prepared: 07/14/2005 1644

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1418.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 I**

Lab Sample ID: 660-3045-2
Client Matrix: Water

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1644
Date Prepared: 07/14/2005 1644

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1418.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	89	74 - 126
Dibromofluoromethane	102	70 - 130
Toluene-d8	115	77 - 122

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 D**

Lab Sample ID: 660-3045-3
Client Matrix: Water

Date Sampled: 07/07/2005 1134
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1709
Date Prepared: 07/14/2005 1709

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1419.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 D**

Lab Sample ID: 660-3045-3
Client Matrix: Water

Date Sampled: 07/07/2005 1134
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1709
Date Prepared: 07/14/2005 1709

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1419.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	87	74 - 126
Dibromofluoromethane	105	70 - 130
Toluene-d8	115	77 - 122

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 S**

Lab Sample ID: 660-3045-1
Client Matrix: Water

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0556
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S064.D
Initial Weight/Volume: 34.6725 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0088	U	0.0088	0.020

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 I**

Lab Sample ID: 660-3045-2
Client Matrix: Water

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0617
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S065.D
Initial Weight/Volume: 34.1473 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: **MWB 32 D**

Lab Sample ID: 660-3045-3
Client Matrix: Water

Date Sampled: 07/07/2005 1134
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0659
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S067.D
Initial Weight/Volume: 35.3458 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0086	U	0.0086	0.020

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 S

Lab Sample ID: 660-3045-1
Client Matrix: Water

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1210
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	57		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1210
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	40		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	4.0	I	1.7	10
Copper	5.0	U	5.0	20
Iron	580		22	50
Nickel	6.5	I	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	3.0	I	2.5	10
Zinc	5.9	U	5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1415
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	48		0.31	0.50

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 S

Lab Sample ID: 660-3045-1
Client Matrix: Water

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1415
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	37		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	2.5	I	1.7	10
Copper	5.0	U	5.0	20
Iron	640		22	50
Nickel	5.7	I	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1345
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 S

Lab Sample ID: 660-3045-1
Client Matrix: Water

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1534
Date Prepared: 07/15/2005 0844

Analysis Batch: 680-16350
Prep Batch: 680-16114

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.71	I	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1638
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1639
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 I

Lab Sample ID: 660-3045-2
Client Matrix: Water

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1216
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	2.8		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1216
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	58		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	7.8	I	1.7	10
Copper	5.0	U	5.0	20
Iron	620		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	8.1		1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	8.0	I	2.5	10
Zinc	11	I	5.9	20

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1420
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	2.8		0.31	0.50

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 I

Lab Sample ID: 660-3045-2
Client Matrix: Water

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1420
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	30		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	240		22	50
Nickel	4.7	U	4.7	40
Antimony	11		3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1353
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 I

Lab Sample ID: 660-3045-2
Client Matrix: Water

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

200.8 ICPMS Metals by 200.8 CWA-Dissolved

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1541
Date Prepared: 07/15/2005 0844

Analysis Batch: 680-16350
Prep Batch: 680-16114

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.26	I	0.25	1.0

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1642
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

245.1 Mercury in Water by CVAA-Dissolved

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1643
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 D

Lab Sample ID: 660-3045-3
Client Matrix: Water

Date Sampled: 07/07/2005 1134
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1222
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.9		0.31	0.50

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1222
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	52		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	880		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1400
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3045-1

Client Sample ID: MWB 32 D

Lab Sample ID: 660-3045-3
Client Matrix: Water

Date Sampled: 07/07/2005 1134
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1645
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Field Service / Mobile Lab

Client Sample ID: MWB 32 S

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	6.95		ft	1.0	Field	660-	07/07/2005 1713
Oxygen, Dissolved	0.8		mg/L	1.0	Field	660-	07/07/2005 1713
Water Level	117.69		ft	1.0	Field	660-	07/07/2005 1713
Turbidity	29.0		NTU	1.0	Field	660-	07/07/2005 1713
Field pH	6.23		SU	1.0	Field	660-	07/07/2005 1713
Specific Conductance	728		umhos/cm	1.0	Field	660-	07/07/2005 1713
Field Temperature	23.2		Degrees C	1.0	Field	660-	07/07/2005 1713

Client Sample ID: MWB 32 I

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	6.32		ft	1.0	Field	660-	07/07/2005 1713
Oxygen, Dissolved	1.2		mg/L	1.0	Field	660-	07/07/2005 1713
Water Level	118.47		ft	1.0	Field	660-	07/07/2005 1713
Turbidity	117.1		NTU	1.0	Field	660-	07/07/2005 1713
Field pH	5.36		SU	1.0	Field	660-	07/07/2005 1713
Specific Conductance	41		umhos/cm	1.0	Field	660-	07/07/2005 1713
Field Temperature	20.9		Degrees C	1.0	Field	660-	07/07/2005 1713

Field Service / Mobile Lab

Client Sample ID: MWB 32 D

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1134
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Well Depth	6.66		ft	1.0	Field	660-	07/07/2005 1713
Oxygen, Dissolved	0.8		mg/L	1.0	Field	660-	07/07/2005 1713
Water Level	118.27		ft	1.0	Field	660-	07/07/2005 1713
Turbidity	6.8		NTU	1.0	Field	660-	07/07/2005 1713
Field pH	6.19		SU	1.0	Field	660-	07/07/2005 1713
Specific Conductance	145		umhos/cm	1.0	Field	660-	07/07/2005 1713
Field Temperature	21.0		Degrees C	1.0	Field	660-	07/07/2005 1713

General Chemistry

Client Sample ID: MWB 32 S

Lab Sample ID: 660-3045-1
Client Matrix: Water

Date Sampled: 07/07/2005 1156
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	1.2		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1324						
Chloride	85		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10251	Date Analyzed 07/15/2005 0931						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	470		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10252	Date Analyzed 07/13/2005 1254						

Client Sample ID: MWB 32 I

Lab Sample ID: 660-3045-2
Client Matrix: Water

Date Sampled: 07/07/2005 1117
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1326						
Chloride	8.0		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10251	Date Analyzed 07/15/2005 0931						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	62		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10252	Date Analyzed 07/13/2005 1254						

General Chemistry

Client Sample ID: MWB 32 D

Lab Sample ID: 660-3045-3
Client Matrix: Water

Date Sampled: 07/07/2005 1134
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.076		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1328						
Chloride	7.0		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10251	Date Analyzed 07/15/2005 0932						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-9893	Date Analyzed 07/08/2005 1449						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	82		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10252	Date Analyzed 07/13/2005 1254						

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DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3045-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected
Metals		
	J3	Estimated value; value may not be accurate. The reported value fails to meet the established quality control criteria for either precision or accuracy.
	U	Indicates that the compound was analyzed for but not detected
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-10201

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10201/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1410
Date Prepared: 07/13/2005 1410

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1315.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-10201

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10201/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1410
Date Prepared: 07/13/2005 1410

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1315.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	105	70 - 130
Toluene-d8	119	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10201

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10201/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1027
Date Prepared: 07/13/2005 1027

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1306.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10201/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1052
Date Prepared: 07/13/2005 1052

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1307.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	112	116	62 - 135	4	37		
Chlorobenzene	103	104	72 - 127	1	22		
1,1-Dichloroethene	107	120	46 - 147	11	30		
Toluene	120	120	68 - 131	0	33		
Trichloroethene	114	120	56 - 143	5	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10201

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-3045-1	Analysis Batch: 660-10201	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG1519.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1530		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 1530		

MSD Lab Sample ID:	660-3045-1	Analysis Batch: 660-10201	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG1520.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1555		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 1555		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	110	114	62 - 135	3	37		
Chlorobenzene	105	107	72 - 127	2	22		
1,1-Dichloroethene	111	117	46 - 147	6	30		
Toluene	122	125	68 - 131	2	33		
Trichloroethene	112	115	56 - 143	3	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-10254

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-10254/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 2340
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S046.D
Initial Weight/Volume: 34.6496 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0088	U	0.0088	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-10254/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0000
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S047.D
Initial Weight/Volume: 34.4460 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10254/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0021
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S048.D
Initial Weight/Volume: 35.0693 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	109	113	70 - 130	1	30		
Ethylene Dibromide	98	101	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-3044-I-1-B MS	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S050.D
Dilution:	1.0		Initial Weight/Volume: 35.4480 g
Date Analyzed:	07/15/2005 0103		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	660-3044-I-1-C MSD	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S051.D
Dilution:	1.0		Initial Weight/Volume: 34.7048 g
Date Analyzed:	07/15/2005 0124		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	107	106	70 - 130	1	30		
Ethylene Dibromide	108	107	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

Lab Sample ID: MB 660-9970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1252
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

LCS Lab Sample ID: LCS 660-9970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1258
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1304
Date Prepared: 07/12/2005 0904

Analysis Batch: 660-10101
Prep Batch: 660-9970
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	100	98	85 - 115	2	20		
Arsenic	102	99	85 - 115	3	20		
Barium	102	100	85 - 115	2	20		
Beryllium	100	97	85 - 115	3	20		
Cadmium	102	99	85 - 115	3	20		
Cobalt	102	100	85 - 115	3	20		
Chromium	101	98	85 - 115	3	20		
Copper	102	100	85 - 115	2	20		
Iron	103	100	85 - 115	2	20		
Sodium	100	99	85 - 115	1	20		
Nickel	105	101	85 - 115	3	20		
Antimony	96	93	85 - 115	3	20		
Lead	102	100	85 - 115	3	20		
Selenium	103	101	85 - 115	3	20		
Vanadium	102	99	85 - 115	3	20		
Zinc	111	107	85 - 115	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9970

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dissolved

MS Lab Sample ID:	660-2975-K-9-C MS*D	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9970	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1322		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0904		

MSD Lab Sample ID:	660-2975-K-9-D MSD*D	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9970	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1328		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0904		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual MSD Qual
Silver	99	99	85 - 115	0	20	
Arsenic	100	100	85 - 115	0	20	
Barium	101	101	85 - 115	0	20	
Beryllium	98	99	85 - 115	0	20	
Cadmium	100	100	85 - 115	0	20	
Cobalt	100	101	85 - 115	1	20	
Chromium	100	100	85 - 115	1	20	
Copper	101	101	85 - 115	0	20	
Iron	102	101	85 - 115	1	20	
Sodium	101	100	85 - 115	1	20	
Nickel	102	103	85 - 115	0	20	
Antimony	95	95	85 - 115	0	20	
Lead	100	100	85 - 115	0	20	
Selenium	101	101	85 - 115	0	20	
Vanadium	101	101	85 - 115	0	20	
Zinc	108	109	85 - 115	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9985/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0928
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9985/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0928
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-9985/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0934
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9985/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0940
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	101	101	85 - 115	0	20		
Arsenic	99	99	85 - 115	0	20		
Barium	100	100	85 - 115	0	20		
Beryllium	99	99	85 - 115	0	20		
Cadmium	101	101	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	101	101	85 - 115	0	20		
Copper	103	103	85 - 115	0	20		
Iron	102	103	85 - 115	1	20		
Sodium	103	102	85 - 115	0	20		
Nickel	104	103	85 - 115	1	20		
Antimony	95	95	85 - 115	0	20		
Lead	101	101	85 - 115	0	20		
Selenium	102	101	85 - 115	1	20		
Vanadium	102	102	85 - 115	1	20		
Zinc	107	106	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-2975-C-10-H MS*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9985	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 0958		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 1136		

MSD Lab Sample ID:	660-2975-C-10-I MSD*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9985	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1004		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 1136		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	101	101	85 - 115	1	20		
Arsenic	99	99	85 - 115	1	20		
Barium	96	98	85 - 115	1	20		
Beryllium	100	101	85 - 115	1	20		
Cadmium	100	100	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	102	102	85 - 115	0	20		
Copper	104	105	85 - 115	1	20		
Iron	82	82	85 - 115	0	20	J3	J3
Sodium	127	129	85 - 115	1	20	J3	J3
Nickel	102	102	85 - 115	0	20		
Antimony	95	96	85 - 115	0	20		
Lead	100	101	85 - 115	0	20		
Selenium	101	101	85 - 115	1	20		
Vanadium	103	104	85 - 115	1	20		
Zinc	107	106	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

Lab Sample ID: MB 680-16069/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1240
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

LCS Lab Sample ID: LCS 680-16069/12-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1248
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 680-16069/13-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1255
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	93	95	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

MS Lab Sample ID:	660-3045-3	Analysis Batch: 680-16346	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-16069	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 1422		Final Weight/Volume: 250 mL
Date Prepared:	07/14/2005 1504		

MSD Lab Sample ID:	660-3045-3	Analysis Batch: 680-16346	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-16069	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 1429		Final Weight/Volume: 250 mL
Date Prepared:	07/14/2005 1504		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Thallium	95	97	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 680-16114

Method: 200.8
Preparation: 4.1.4
Dissolved

Lab Sample ID: MB 680-16114/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1512
Date Prepared: 07/15/2005 0844

Analysis Batch: 680-16350
Prep Batch: 680-16114
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-9921

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-9921/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1600
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 660-9921/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1602
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9921/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1604
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	94	96	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

MS Lab Sample ID:	660-3044-C-1-B MS	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch: 660-9921	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1609		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1325		

MSD Lab Sample ID:	660-3044-C-1-C MSD	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch: 660-9921	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1611		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1325		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	94	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-10252

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-10252/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1254
Date Prepared: N/A

Analysis Batch: 660-10252
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10252

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10252/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1254
Date Prepared: N/A

Analysis Batch: 660-10252
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-10252/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1254
Date Prepared: N/A

Analysis Batch: 660-10252
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	100	100	80 - 120	0	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10252

Method: 160.1
Preparation: N/A

MS Lab Sample ID:	660-3040-B-1 MS	Analysis Batch: 660-10252	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1254		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3040-B-1 MSD	Analysis Batch: 660-10252	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1254		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Dissolved Solids	100	100	80 - 120	0	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-10251

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 660-10251/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0958
Date Prepared: N/A

Analysis Batch: 660-10251
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.90	U	0.90	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10251

Method: 325.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-10251/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0914
Date Prepared: N/A

Analysis Batch: 660-10251
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10251/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0915
Date Prepared: N/A

Analysis Batch: 660-10251
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	107	109	90 - 110	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-10210

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-10210/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1256
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10210/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1258
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10210/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	99	93	85 - 115	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-3023-C-1 MS	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1303		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3023-C-1 MSD	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1305		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	108	117	85 - 115	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3045-1

Method Blank - Batch: 660-9893

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-9893/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1449
Date Prepared: N/A

Analysis Batch: 660-9893
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrogen	0.010	U	0.010	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9893

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9893/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1449
Date Prepared: N/A

Analysis Batch: 660-9893
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 660-9893/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1449
Date Prepared: N/A

Analysis Batch: 660-9893
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrogen	93	92	80 - 120	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3045-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9893

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-3045-1	Analysis Batch:	660-9893	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2005 1449			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-3045-1	Analysis Batch:	660-9893	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2005 1449			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrogen	84	91	80 - 120	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

3045

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
CITY OF JACKSONVILLE	AL BURSON	7-7-05	326729

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
5110 HWY 301			

City	State	Zip Code	Site Contact	Lab Contact
BALDWIN	FL	32234		

Project Name and Location (State)	Carrier/Waybill Number
TRAIL RIDGE - PHASE V	

Contract/Purchase Order/Quote No.

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Na2S2O3	Cl-, NO3, TDS	T-NH3	APPI Me + Hg, Fe, Na	Thallium	B260 APPI	EDB	Diss. Metals	Special Instructions/ Conditions of Receipt
MWB32S	7-7	1156		X			1	1	3	3			3	1	1	1	1	3	3	1	
MWB32I 1117	7-7	~~1134~~		X			1	1	3	3			3	1	1	1	1	3	3	1	
MWB32D	7-7	1134		X			1	1	2	3			3	1	1	1	1	3	3		
TRIP	7-7	—		X						3			3					3	3		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By [signature]	7-7-05	2000	1. Received By V. Rasenquist	7-8-05	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

#3045

Appendix C

Field Information Forms

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW295 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	1126	1:12	21	100	47

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
13802 (ft/msl)	692 (ft)	13110 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
2000 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1133	0.8 1st	4.13 1st	94 1st	23.4	12	1.3		
1135	0.8 2nd	4.08 2nd	95 2nd	23.4	1.6	1.2		
1137	0.8 3rd	4.08 3rd	95 3rd	23.4	1.2	1.2		
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070605	4.08	95	23.4	12	1.2		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR — Odor: SLIGHT — Color: NONE — Other: NO sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 — Outlook: P.C. 90°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 20.00 - 6.92 = 13.08 x 0.163 = 2.13 x 3 = 6.40

FLOW: 18 x 4 = 72 ÷ 60 = 1.2 x 6.40 = 7.68

ACTUAL: 12 ÷ 1.2 = 10.0

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.6.05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB29D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	1110	10	15	88	59

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: Y or N — 0.45 µ or ___ µ (circle or fill in)

Filter Type: -

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 13818 (ft/msl)

Depth to Water (DTW) (from TOC): 413 (ft)

Groundwater Elevation (site datum, from TOC): 13405 (ft/msl)

Total Well Depth (from TOC): 11050 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1115	0.88 1st	556 1st	70	218	13	08		
1117	0.88 2nd	557 2nd	71	218	14	08		
1119	0.88 3rd	555 3rd	72	217	12	08		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
070605	555	72	217	12	08		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 90°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): Purge Miser set @ 101.50 ft.

CALC: 110.50 - ~~4.13~~ 101.50 = 9.00 x 0.163 = 1.467 x 3 = 4.40

FLOW: 17 x 4 = 68 ÷ 60 = 1.13 x 4.40 = 4.99

ACTUAL: 10 ÷ 1.13 = 8.8

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

3

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB29I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	1033	32	97	343	35

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: Y or N — 0.45 µ or ___ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 13808 (ft/msl)

Depth to Water (DTW) (from TOC): 395 (ft)

Groundwater Elevation (site datum, from TOC): 134.13 (ft/msl)

Total Well Depth (from TOC): 6350 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1100	1.1 1st	5.12 1st	40	21.9	118	12		
1102	1.1 2nd	5.08 2nd	40	21.8	119	12		
1104	1.1 3rd	5.05 3rd	40	21.8	116	12		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
070605	505	40	21.8	116	12		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: SLIGHT Color: NONE Other: No sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 90°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

CALC: 63.50-3.95 = 59.55 x 0.163 = 9.71 x 3 = 29.12

FLOW: 14x4 = 56 ÷ 60 = 0.933 x 29.12 = 27.18

ACTUAL: 32 ÷ 0.933 = 34.3

COMPLETED DUP Ø2 @ MWB29I

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/~~8~~/05	DAN ARMOUR	[signature]	PRO-TECH
DSA / /			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW-B270 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07/06/05	1007	:20	33	131	4.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 12888 (ft/msl)

Depth to Water (DTW) (from TOC): 532 (ft)

Groundwater Elevation (site datum, from TOC): 123.56 (ft/msl)

Total Well Depth (from TOC): 110.00 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1022	0.65 1st	5.96 1st	104 1st	21.3	0.8	0.9		
1024	0.65 2nd	5.97 2nd	105 2nd	21.3	0.6	0.8		
1026	0.65 3rd	5.98 3rd	105 3rd	21.3	0.5	0.8		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07/06/05	5.98	105	21.3	0.5	0.8		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): Purge Muser set @ 90.00 ft.

CALC: 110.00 - 90.00 = 20.00 x 0.163 = 3.26 x 3 = 9.78

FLOW: 23 x 4 = 92 ÷ 60 = 1.53 x 9.78 = 15.0

ACTUAL: 20 ÷ 1.53 = 13.1

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.6.05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW B27S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	0944	1:11	1.16	7.9	4.9

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: ~ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1284.2 (ft/msl)

Depth to Water (DTW) (from TOC): 5.70 (ft)

Groundwater Elevation (site datum, from TOC): 1272.2 (ft/msl)

Total Well Depth (from TOC): 15.50 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (3pm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0950	0.7 1st	4.63 1st	48 1st	22.6	226	0.9		
0952	0.7 2nd	4.61 2nd	48 2nd	22.6	194	0.9		
0954	0.7 3rd	4.58 3rd	48 3rd	22.6	196	0.8		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070605	4.58	48	22.6	196	0.8		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: SLT. CLOUDY — Odor: NONE — Color: Yellow/Brown — Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM — Outlook: P.C., 90°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 15.50 - 5.70 = 9.80 x 0.163 = 1.597 x 3 = 4.79

FLOW: 21 x 4 = 84 ÷ 60 = 1.4 x 4.79 = 6.71

ACTUAL: 11 ÷ 1.4 = 7.9

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAILRIDGE

Site No.:

Sample Point: MWB27I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	09:06	33	94	330	35

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N — 0.45 µ or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 12863 (ft/msl)

Depth to Water (DTW) (from TOC): 491 (ft)

Groundwater Elevation (site datum, from TOC): 12372 (ft/msl)

Total Well Depth (from TOC): 6250 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:34	1.0	1st	554	1st	56	213	126	09		
09:36	1.0	2nd	545	2nd	56	213	125	10		
09:38	1.0	3rd	543	3rd	56	213	121	09		
		4th		4th						
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070605	543	56	213	121	09		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: ____ Color: ____ Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 90°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

CALC: 62.50 - 4.91 = 57.59 x 0.163 = 9.39 x 3 = 28.16

FLOW: 15 x 4 = 60 ÷ 60 = 1 x 28.16 = 28.16

ACTUAL: 33 ÷ 1 = 33.0

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB225 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07/06/05	0841	1:13	26	12.2	4.6

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or _____ µ (circle or fill in)

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: —
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 1269.7 (ft/msl)
Depth to Water (DTW) (from TOC): 9.82 (ft)
Groundwater Elevation (site datum, from TOC): 1171.5 (ft/msl)
Total Well Depth (from TOC): 2600 (ft)
Stick Up (from ground elevation): (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0849	0.9 1st	5.83 1st	275 1st	2.39	6.6	1.7		
0851	0.9 2nd	5.87 2nd	276 2nd	2.38	6.4	1.7		
0853	0.9 3rd	5.89 3rd	276 3rd	2.38	6.3	1.6		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
07/06/05	5.89	276	2.38	6.3	1.6		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: SH. BROWN TINT Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: PC. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 26.00 - 9.82 = 16.18 x 0.163 = 2.64 x 3 = 7.91

FLOW: 16 x 4 = 64 ÷ 60 = 1.067 x 7.91 = 8.44

ACTUAL: 13 ÷ 1.069 = 12.2

I certify that sampling procedures were in accordance with applicable EPA, State and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO-TECH
___/___/___			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW B 1 1 5 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 06 05	08:19	:14	17	8.1	4.7

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle; X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable; B-Pressure; C-Vacuum; X-Other: ____

Sample Tube Type: A

A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1208.1 (ft/msl)	8.85 (ft)	1119.6 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
19.50 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit 30m	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
08:28	0.58 1st	4.00 1st	158 1st	22.2	1.3	1.4		
08:30	0.58 2nd	3.98 2nd	159 2nd	22.2	1.2	1.4		
08:32	0.58 3rd	3.97 3rd	158 3rd	22.2	1.1	1.4		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 06 05	3.97	158	22.2	1.1	1.4		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: No sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 85°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 19.50 - 8.85 = 10.65 x 0.163 = 1.74 x 3 = 5.21

FLOW: 26 x 4 = 104 ÷ 60 = 1.73 x 5.21 = 9.03

ACTUAL: 14 ÷ 1.73 = 8.1

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO-TECH
____/____/____			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW B 1 1 I

Sample ID (R)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 06 05	07:41	:33	7.4	26.1	3.5

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N — 0.45 µ or 1.00 µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
NA (ft/msl)	9.62 (ft)	NA (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
55.00 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
08:09	0.79	1st	5.07	1st	39	1st	2.37	2044	1.3		
08:11	0.79	2nd	5.04	2nd	39	2nd	2.36	2008	1.2		
08:13	0.79	3rd	5.01	3rd	39	3rd	2.36	2001	1.2		
		4th		4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
07 06 05	5.01	39	2.36	2001	1.2		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLOUDY — Odor: SLIGHT — Color: BROWN — Other: NO sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM — Outlook: P.C., 85°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 55.00 − 9.62 = 45.38 × 0.163 = 7.397 × 3 = 22.19

FLOW: 19 × 4 = 76 ÷ 60 = 1.267 × 22.19 = 28.11

ACTUAL: 33 ÷ 1.267 = 26.05

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW-19D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 06 05	0633	158	179	580	32

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C — X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1283.23 (ft/msl)	5.73 (ft)	1277.50 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
115.50 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (3pm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0726	1.0 1st	7.16 1st	365 1st	22.0	216	0.5		
0728	1.0 2nd	7.18 2nd	365 2nd	22.0	174	0.5		
0730	1.0 3rd	7.21 3rd	365 3rd	22.0	171	0.5		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 06 05	7.21	365	22.0	171	0.5		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR — Odor: NONE — Color: NONE — Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM — Outlook: P.C. 85°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 115.50 - 5.73 = 109.77 X 0.163 = 17.89 X 3 = 53.68

FLOW: 15 X 4 = 60 ÷ 60 = 1 X 53.68 = 53.68

ACTUAL: 58 ÷ 1 = 58.0

COMPLETED DUPLI E MW-19D

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO-TECH
____/____/____			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MWB25 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only. Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 06 05	12:25	:13	2.5	11.5	4.6

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: ____

Filter Device: (Y) or N — 0.45 µ or 1.00 µ (circle or fill in)

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1466.64 (ft/msl)	4.69 (ft)	1461.95 (ft/msl)

Total Well Depth (from TOC): 20.00 (ft) — Stick Up (from ground elevation): ____ (ft) — Casing ID: 2 (in) — Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1233	0.88 1st	4.80 1st	28 1st	24.7	1958	2.0		
1235	0.88 2nd	4.76 2nd	29 2nd	24.8	1996	2.0		
1237	0.88 3rd	4.76 3rd	29 3rd	24.7	1918	2.0		
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
07 06 05	4.76	29	24.7	1918	2.0		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLOUDY — Odor: NONE — Color: BROWN — Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 — Outlook: P.C, 90°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 20.00 - 4.69 = 15.31 X 0.163 = 2.5 x 3 = 7.49

FLOW: 17 x 4 = 68 ÷ 60 = 1.13 x 7.49 = 8.49

ACTUAL: 13 ÷ 1.13 = 11.5

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.6.05	DAN ARMOUR		PRES-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAILRIDGE

Site No.: ____ Sample Point: MWB2I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	1146	1:33	8.8	30.9	3.5

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle; X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable; B-Pressure; C-Vacuum; X-Other ____

Sample Tube Type: A

A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1457.3 (ft/msl)	7.27 (ft)	1384.6 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
61.50 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (lpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1214	0.9 1st	4.74 1st	41 1st	21.3	1.3	1.2		
1216	0.9 2nd	4.72 2nd	40 2nd	21.3	1.4	1.2		
1218	0.9 3rd	4.70 3rd	40 3rd	21.3	1.3	1.2		
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070605	4.70	40	21.3	1.3	1.2		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 61.50 - 7.27 = 54.23 x 0.163 = 8.84 x 3 = 26.52

FLOW: 16 x 4 = 64 ÷ 60 = 1.067 x 26.52 = 28.29

ACTUAL: 33 ÷ 1.067 = 30.9

I certify that sampling procedures were in accordance with applicable EPA, State and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO-TECH
____/____/____			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

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FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB3S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	1355	15	25	102	41

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N — 0.45 µ or ___ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 15348 (ft/msl)

Depth to Water (DTW) (from TOC): 470 (ft)

Groundwater Elevation (site datum, from TOC): 14878 (ft/msl)

Total Well Depth (from TOC): 2000 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
14:05	0.68	1st 4.74	1st 42	220	39	2.4		
14:07	0.68	2nd 4.70	2nd 42	221	35	2.3		
14:09	0.68	3rd 4.68	3rd 42	221	34	23		
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ___ Units ___
070605	468	42	221	34	23		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR — Odor: NONE — Color: NONE — Other: No sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 — Outlook: P.C. 90°F — Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

CALC: 20.00-4.70 = 15.30 x 0.163 = 2.49 x 3 = 7.48

FLOW: 22x4 = 88÷60 = 1.467 x 7.48 = 10.97

ACTUAL: 15÷1.467 = 10.22

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR	[signature]	PRO. TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: | | | | |

Sample Point: MW83I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	1321	2:9	8.3	29.0	3.5

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C — X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) — 0.45 µ or _____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1518.6 (ft/msl)	11.11 (ft)	1407.5 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
62.00 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1345	1.0 1st	5.08 1st	35 1st	20.9	0.5	1.2		
1347	1.0 2nd	4.92 2nd	35 2nd	20.9	0.4	1.1		
1349	1.0 3rd	4.90 3rd	34 3rd	20.9	0.4	1.1		
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
070605	4.90	34	20.9	0.4	1.1		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLOUDY CLEAR — Odor: NONE — Color: NONE — Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 — Outlook: P.C. 90°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 62.00 - 11.11 = 50.89 x 0.163 = 8.30 x 3 = 24.89

FLOW: 15 x 4 = 60 ÷ 60 = 1 x 24.89 = 24.89

ACTUAL: 29 ÷ 1 = 29.0

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: | | | | | Sample Point: MW B31D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 06 05	12:53	:16	24	150	6.2

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) — 0.45 µ or _____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1561.5 (ft/msl)	15.92 (ft)	(ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
129.00 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
13:04	0.9 1st	6.76 1st	367 1st	21.5	1.7	0.7		
13:06	0.9 2nd	6.79 2nd	366 2nd	21.5	1.7	0.6		
13:08	0.9 3rd	6.82 3rd	366 3rd	21.5	1.7	0.6		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
07 06 05	6.82	366	21.5	1.7	0.6		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): Purge Mistake 114.50 ft.

CALC: 129.00 - 114.50 = 14.50 x 0.163 = 2.363 x 3 = 7.09

FLOW: 16 x 4 = 64 ÷ 60 = 1.067 x 7.09 = 7.56

ACTUAL: 16 ÷ 1.067 = 15.0

COMPLETED DUP03 @ MW B31D

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.6.05	DAN ARMOUR		RES-TECH
__/__/__			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW-17I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory)

Laboratory Use Only Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07/06/05	14:19	:31	9.6	33.2	3.5

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle, X-Other:

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
138.43 (ft/msl)	1.42 (ft)	137.01 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
60.13 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
14:45	6.1 spm 1st	4.98 1st	32 1st	22.4	0.8	1.0		
14:47	1.1 2nd	4.96 2nd	32 2nd	22.4	0.8	1.0		
14:49	1.1 3rd	4.95 3rd	32 3rd	22.4	0.7	1.0		
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07/06/05	4.95	32	22.4	0.7	1.0		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: SLIGHT Color: NONE Other NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 60.13 - 1.42 = 58.71 x 0.163 = 9.57 x 3 = 28.71

FLOW: 14 x 4 = 56 ÷ 60 = 0.933 x 28.71 = 26.8

ACTUAL: 31 ÷ 0.933 = 33.2

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR		PRO TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB17S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070605	1457	12	22	106	49

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N 0.45 µ or ___ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 13831 (ft/msl)

Depth to Water (DTW) (from TOC): 508 (ft)

Groundwater Elevation (site datum, from TOC): 13323 (ft/msl)

Total Well Depth (from TOC): 1831 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1504	0.88	1st	509	1st	61	244	121	16		
1506	0.88	2nd	511	2nd	61	243	126	16		
1508	0.88	3rd	512	3rd	61	242	126	16		
		4th		4th						
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
070605	512	61	242	126	16		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Very Slt. Cldy — Odor: None — Color: Brown Tint — Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 — Outlook: P.C. 90°F — Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

CALC: 18.31-5.08 = 13.23x0.163 = 2.16x3 = 6.47

FLOW: 17x4=68÷60= 1.133x6.47 = 7.33

ACTUAL: 12÷1.133 = 10.6

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/6/05	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB12I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 05 05	1100	3:6	106	360	3 4

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1246.62 (ft/msl)

Depth to Water (DTW) (from TOC): 6.39 (ft)

Groundwater Elevation (site datum, from TOC): 1123 (ft/msl)

Total Well Depth (from TOC): 71.50 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1131	1.0 1st	5.27 1st	40 1st	22.9 1st	7.4	1.0		
1133	1.0 2nd	5.24 2nd	40 2nd	22.9 2nd	6.4	0.9		
1135	1.0 3rd	5.25 3rd	40 3rd	22.9 3rd	6.9	0.9		
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 05 05	5.25	40	22.9	6.8	0.9		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: SLIGHT Color: NONE Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLEAR 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 71.50 - 6.39 = 65.11 X 0.163 = 10.61 X 3 = 31.84

FLOW: 15 X 4 = 60 ÷ 60 = 1 X 31.84 = 31.84

ACTUAL: 36 ÷ 1 = 36.0

I certify that sampling procedures were in accordance with applicable EPA, State, and ~~WM~~ protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB12D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070505	1142	13	24	115	49

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N 0.45 µ or µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 12456 (ft/msl)

Depth to Water (DTW) (from TOC): 436 (ft)

Groundwater Elevation (site datum, from TOC): 12020 (ft/msl)

Total Well Depth (from TOC): 11200 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu) DSM 0.2	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1150	0.9 1st	708 1st	389	224	02	07		
1152	0.9 2nd	709 2nd	390	224	03	07		
1154	0.9 3rd	710 3rd	390	224	03	07		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
070505	710	390	224	03	07		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: Clear 90°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): Purge Miser set @ 97.50 ft.

CALC: 112.00 - 97.50 = 14.50 x 0.163 = 2.36 x 3 = 7.09

FLOW: 17 x 4 = 68 ÷ 60 = 1.133 x 7.09 = 8.04

ACTUAL: 13 ÷ 1.133 = 11.47

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW-8125 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07/05/05	1201	1:15	28	12.5	4.5

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1246.3 (ft/msl)	7.44 (ft)	1179 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
24.50 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1211	0.8 1st	5.30 1st	154 1st	23.2	168	2.3		
1213	0.8 2nd	5.27 2nd	153 2nd	23.2	164	2.2		
1215	0.8 3rd	5.25 3rd	152 3rd	23.2	172	2.3		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07/05/05	5.25	152	23.2	172	2.3		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: SLIGHT Color: BROWN Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLEAR 90'F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 24.50 - 7.44 = 17.06 x 0.163 = 2.78 x 3 = 8.34

FLOW: 18 x 4 = 72 ÷ 60 = 1.2 x 8.34 = 10.01

ACTUAL: 15 ÷ 1.2 = 12.5

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRES. TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW37I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 05 05	1226	3:3	10.2	35.4	3.4

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1153 (ft/msl)	219 (ft)	1134 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
650 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1254	1.1	1st 5.36	1st 43	225	21	0.8		
1256	1.1	2nd 5.32	2nd 42	226	20	0.8		
1258	1.1	3rd 5.30	3rd 42	225	19	0.8		
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 05 05	5.30	42	225	19	0.8		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLEAR 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 65.00 - 2.19 = 62.81 x 0.163 = 10.24 x 3 = 30.71

FLOW: 14 x 4 = 56 ÷ 60 = 0.933 x 30.71 = 28.66

ACTUAL: 33 ÷ 0.933 = 35.37

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW87D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 05 05	1304	:15	2.9	12.5	4.3

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1216.5 (ft/msl)

Depth to Water (DTW) (from TOC): 04.2 (ft)

Groundwater Elevation (site datum, from TOC): 1212.3 (ft/msl)

Total Well Depth (from TOC): 1178.0 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1314	0.8 1st	7.25 1st	348 1st	22.1	05	07		
1316	0.8 2nd	7.31 2nd	349 2nd	22.1	05	07		
1318	0.8 3rd	7.32 3rd	348 3rd	22.1	04	06		
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 05 05	7.32	348	22.1	04	06		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: clear 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): Purge Mister set @ 99.00 ft.

FIELD COMMENTS

CALC: 117.00 - 99.00 = 18.00 x 0.163 = 2.9 x 3 = 8.8

FLOW: 18 x 4 = 72 ÷ 60 = 1.2 x 8.8 = 10.56

ACTUAL: 15 ÷ 1.2 = 12.5

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRO-TECH
___/___/___			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW375 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070505	1326	1:13	23	12.2	5.3

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1239 (ft/msl)	5.88 (ft)	1171 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
2000 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1334	0.9 1st	5.10 1st	100 1st	26.1	172	1.4		
1336	0.9 2nd	5.02 2nd	99 2nd	26.1	159	1.4		
1338	0.9 3rd	4.98 3rd	98 3rd	26.1	163	1.4		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070505	4.98	98	26.1	163	1.4		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: SLT. CLOUDY Odor: SLIGHT Color: Brown/tan Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 20.00 - 5.88 = 14.12 x 0.163 = 2.30 x 3 = 6.90

FLOW: 16 x 4 = 64 ÷ 60 = 1.067 x 6.90 = 7.36

ACTUAL: 13 ÷ 1.067 = 12.2

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRO-TECH
___/___/___			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW205 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070505	1347	1:13	24	122	5.1

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: ____

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1210.1 (ft/msl)	5.42 (ft)	1155.59 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
20.00 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1355	0.9 gpm	1st 4.31	1st 90	2.84	2.5	1.3		
1357	0.9	2nd 4.31	2nd 91	2.85	2.5	1.3		
1359	0.9	3rd 4.30	3rd 92	2.85	2.4	1.2		
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070505	4.30	92	2.85	2.4	1.2		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 20.00 − 5.42 = 14.58 × 0.163 = 2.38 × 3 = 7.13

FLOW: 16 × 4 = 64 ÷ 60 = 1.067 × 7.13 = 7.61

ACTUAL: 13 ÷ 1.067 = 12.2

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		Pro-Tech
___/___/___			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB21S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070505	1407	13	19	89	48

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N 0.45 µ or ____ µ (circle or fill in)

Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
X-Other:

Filter Type: –
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 12284 (ft/msl)
Depth to Water (DTW) (from TOC): 659 (ft)
Groundwater Elevation (site datum, from TOC): 11625 (ft/msl)
Total Well Depth (from TOC): 1800 (ft)
Stick Up (from ground elevation): ____ (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
14:15	0.68	1st 584	1st 163	253	36	11		
14:17	0.68	2nd 585	2nd 162	253	39	10		
14:19	0.68	3rd 585	3rd 162	253	39	10		
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070505	585	162	253	39	10		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR
Odor: SLIGHT
Color: Brown tint
Other: No sheen

Weather Conditions (required daily, or as conditions change):
Direction/Speed: CALM
Outlook: P.C. 90°F
Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

CALC: 18.00 - 6.59 = 11.41 x 0.163 = 1.86 x 3 = 5.58
FLOW: 22 x 4 = 88 ÷ 60 = 1.467 x 5.58 = 8.18
ACTUAL: 13 ÷ 1.467 = 8.86

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: | | | | |

Sample Point: MW-B19I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 05 05	1431	31	87	291	33

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N — 0.45 µ or 1.00 µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 1279.4 (ft/msl)

Depth to Water (DTW) (from TOC): 55.6 (ft)

Groundwater Elevation (site datum, from TOC): 1223.8 (ft/msl)

Total Well Depth (from TOC): 590.0 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1458	0.9 1st	5.14 1st	42 1st	22.3	822	0.9		
1500	0.9 2nd	5.11 2nd	42 2nd	22.3	827	0.8		
1502	0.9 3rd	5.09 3rd	41 3rd	22.3	825	0.8		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
07 05 05	5.09	41	22.3	825	0.8		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: SLT. CLOUDY — Odor: ODOR — Color: LT. TAN — Other: No sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM — Outlook: P.C. 90°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 59.00 - 5.56 = 53.44 x 0.163 = 8.71 x 3 = 26.13

FLOW: 16 x 4 = 64 ÷ 60 = 1.067 x 26.13 = 27.87

ACTUAL: 31 ÷ 1.067 = 29.05

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRO-TECH
___/___/___			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB195 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070505	1510	:14	2.6	11.0	4.2

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: (Y) or N — 0.45 µ or 1.00 µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
12738 (ft/msl)	400 (ft)	12338 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
2000 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm / lpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1519	0.79 1st	5.57 1st	114 1st	2.44	47.3	1.1		
1521	0.79 2nd	5.54 2nd	116 2nd	2.44	45.6	1.1		
1523	0.79 3rd	5.50 3rd	117 3rd	2.44	42.2	1.1		
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: / Units
070505	553	117	244	422	1.1		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: ODOR Color: BROWN Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 20.00 - 4.00 = 16.00 X 0.163 = 2.608 X 3 = 7.82

FLOW: 19 X 4 = 76 ÷ 60 = 1.267 X 7.82 = 9.91

ACTUAL: 14 ÷ 1.267 = 11.05

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/5/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: | | | | |

Sample Point: MW B13S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID: _____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	08:25	:06	2.5	3.3	1 3

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N — 0.45 µ or 1.00 µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

X-Other: _____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1260.6 (ft/msl)	11.09 (ft)	1149.7 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
26.56 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
12:10	gpm 0.5 (1st)	5.40 (1st)	171 (1st)	23.4	607	2.5		
	(2nd)	(2nd)	(2nd)					
	(3rd)	(3rd)	(3rd)					
	(4th)	(4th)	(4th)					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
07 07 05	5.40	171	23.4	607	2.5		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: SLIGHT Color: BROWN-LIGHT Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 26.56 - 11.09 = 15.47 x 0.163 = 2.52 x 3 = 7.56

FLOW: 27 x 4 = 108 ÷ 60 = 1.8 x 7.56 = 13.61

ACTUAL: 6 ÷ 1.8 = 3.3 gallons

Well Purged Dry @ 3.3 GALLONS REMOVED. SAMPLED UPON RECOVERY.

Some globular particles in sample.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.7.05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MWB13I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	07:52	:26	7.2	26.0	3.6

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: ____

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: ~ (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
12598 (ft/msl)	16.60 (ft)	109.38 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
60.48 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
08:13	1.0 1st	5.10 1st	37 1st	22.6	11.2	1.6		
08:15	1.0 2nd	5.12 2nd	37 2nd	22.6	11.8	1.6		
08:17	1.0 3rd	5.08 3rd	36 3rd	22.6	11.7	1.5		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	5.08	36	22.6	11.7	1.5		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: SLIGHT Color: NONE Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C., 85°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 60.48 - 16.60 = 43.88 X 0.163 = 7.15 x 3 = 21.46

FLOW: 15x4=60÷60=1x21.46 = 21.46

ACTUAL: 26÷1 = 26.0

COMPLETED DUP04 @ MWB13I

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW8345 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only, Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	10:00	:12	17	82	47

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C

Sampling Device: C

X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
12578 (ft/msl)	769 (ft)	11809 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1836 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:07	0.68 1st	6.60 1st	4535 1st	24.6	187	0.6 (-)	112.0	
10:09	0.68 2nd	6.60 2nd	4542 2nd	24.5	183	0.5 (-)	108.0	
10:11	0.68 3rd	6.58 3rd	4551 3rd	24.4	188	0.5 (-)	105.0	
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	6.58	4551	24.4	188	0.5 (-)	105.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: ODOR Color: AMBER Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 18.30 - 7.69 = 10.61 x 0.163 = 1.73 x 3 = 5.19

FLOW: 22 x 4 = 88 ÷ 60 = 1.467 x 5.19 = 7.61

ACTUAL: 12 ÷ 1.467 = 8.18

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7 7 05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB34I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	09:29	:26	7.5	26.0	3.5

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N — 0.45 µ or 1.00 µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 12580 (ft/msl)

Depth to Water (DTW) (from TOC): 784 (ft)

Groundwater Elevation (site datum, from TOC): 11796 (ft/msl)

Total Well Depth (from TOC): 5395 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:50	1.0 1st	5.44 1st	45 1st	22.1	143	1.3		
09:52	1.0 2nd	5.39 2nd	45 2nd	22.1	138	1.3		
09:54	1.0 3rd	5.33 3rd	44 3rd	22.1	142	1.2		
	4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
07 07 05	5.33	44	22.1	142	1.2		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: Very slt. cldy — Odor: NONE — Color: slt. tan — Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM — Outlook: P.C. 90°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 53.95 - 7.84 = 46.11 X 0.163 = 7.52 x 3 = 22.55

FLOW: 15 x 4 = 60 ÷ 60 = 1 x 22.55 = 22.55

ACTUAL: 26 ÷ 1 = 26.0

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB34D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	08:37	:46	151	493	33

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w: Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1259.2 (ft/msl)	7.98 (ft)	1179.4 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
100.78 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:18 (1st)	1.1	6.96	363	21.6	10	12		
09:20 (2nd)	1.1	7.04	362	21.6	10	11		
09:22 (3rd)	1.1	7.08	362	21.5	11	11		
(4th)								
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	7.08	362	21.5	11	11		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C., 90°C Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 100.78 - 7.98 = 92.80 x 0.163 = 15.13 x 3 = 45.38

FLOW: 14 x 4 = 56 ÷ 60 = 0.933 x 45.38 = 42.34

ACTUAL: 46 ÷ 0.933 = 49.3

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: ____ Sample Point: MW-B335 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	1020	1:11	18	9.2	5.2

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing, Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: (Y) or X — 0.45 µ or 1.00 µ (circle or fill in)

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
12590 (ft/msl)	9.53 (ft)	116.37 (ft/msl)

Total Well Depth (from TOC): 20.30 (ft)
Stick Up (from ground elevation): ____ (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1026	0.8	1st	5.56	1st	187		23.4	57.3	1.3		
1028	0.8	2nd	5.51	2nd	182		23.4	51.1	1.4		
1030	0.8	3rd	5.48	3rd	180		23.4	49.8	1.4		
		4th		4th							
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	5.48	180	23.4	49.8	1.4		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: NONE Color: BROWN Other: No sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 20.30 - 9.53 = 10.77 x 0.163 = 1.76 x 3 = 5.27

FLOW: 18 x 4 = 72 ÷ 60 = 1.2 x 5.27 = 6.32

ACTUAL: 11 ÷ 1.2 = 9.2

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.7.05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE-ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: EB

Sample ID

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05					

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: —

Sampling Device: X

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

X-Other: Sample Bottles

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1350	NA	1st 6.87	1st 4	2.76	0.2	5.8		
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	6.87	4	2.76	0.2	5.8		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocol (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH
___/___/___			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: FB (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07/07/05					

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing, Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: —

Sampling Device: X

X-Other: SAMPLE BOTTLE

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC) ____ (ft/msl)

Depth to Water (DTW) (from TOC) ____ (ft)

Groundwater Elevation (site datum, from TOC) ____ (ft/msl)

Total Well Depth (from TOC) ____ (ft)

Stick Up (from ground elevation) ____ (ft)

Casing ID ____ (in)

Casing Material ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
14:00	NA 1st	6.91 1st	3 1st	27.7	0.2	5.6		
	2nd	2nd	2nd					
	3rd	3rd	3rd					
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07/07/05	6.91	3	27.7	0.2	5.6		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE
Site No.:
Sample Point: MW817D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only, Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	0630	1:12	199	636	3.2

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing, Flow Cell and Tubing, Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N
Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: —
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____
X-Other:
Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1385.2 (ft/msl)
Depth to Water (DTW) (from TOC): 5.46 (ft)
Groundwater Elevation (site datum, from TOC): 1330.6 (ft/msl)
Total Well Depth (from TOC): 127.32 (ft)
Stick Up (from ground elevation): ____ (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit ~~gpm~~	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0737	0.88 1st	5.61 1st	69 1st	21.8	0.2	1.3		
0739	0.88 2nd	5.59 2nd	66 2nd	21.8	0.2	1.2		
0741	0.88 3rd	5.56 3rd	65 3rd	21.8	0.2	1.2		
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	5.56	65	21.8	0.2	1.2		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: No Sheen
Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: P.C., 85°F Precipitation: Y or (N)
Specific Comments (including purge/well volume calculations if required):

CALC: 127.32 − 5.46 = 121.86 x 0.163 = 19.86 x 3 = 59.59
FLOW: 17 x 4 = 68 ÷ 60 = 1.133 x 59.59 = 67.54
ACTUAL: 72 ÷ 1.133 = 63.55

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW B325 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	1143	1:13	21	98	46

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing, Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N — 0.45 µ or 1.00 µ (circle or fill in)

Purging Device: G — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: G

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1246.4 (ft/msl)	6.95 (ft)	1176.9 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1990 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1151	0.75	1st 6.24	1st 738	2.32	32.5	0.8		
1153	0.75	2nd 6.21	2nd 731	2.32	31.2	0.7		
1155	0.75	3rd 6.23	3rd 728	2.32	29.0	0.8		
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
07 07 05	6.23	728	2.32	29.0	0.8		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY — Odor: NONE — Color: BROWN — Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 — Outlook: P.C. 90°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 19.90 - 6.95 = 12.95 x 0.163 = 2.11 x 3 = 6.33

FLOW: 20 x 4 = 80 ÷ 60 = 1.33 x 6.33 = 8.44

ACTUAL: 13 ÷ 1.33 = 9.8

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.7.05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MWB32I (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070705	1042	35	95	328	34

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N 0.45 µ or 1.00 µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 12479 (ft/msl)

Depth to Water (DTW) (from TOC): 632 (ft)

Groundwater Elevation (site datum, from TOC): 11847 (ft/msl)

Total Well Depth (from TOC): 6456 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:12	0.9	1st	543	1st	42	210	1802	13		
11:14	0.9	2nd	538	2nd	41	210	1743	13		
11:16	0.9	3rd	536	3rd	41	209	1771	12		
		4th		4th						
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
070705	536	41	209	1771	12		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLOUDY — Odor: NONE — Color: whitish tan — Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 — Outlook: P.C. 90°F — Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

CALC: 64.56 - 6.32 = 58.24 x 0.163 = 9.49 x 3 = 28.48

FLOW: 16 x 4 = 64 ÷ 60 = 1.067 x 28.48 = 30.38

ACTUAL: 35 ÷ 1.067 = 32.8

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW B32 D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05	1122	1:12	21	10.0	4.8

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

X-Other:

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1249.3 (ft/msl)	6.66 (ft)	1182.7 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
108.81 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1129	0.8	1st	6.14	1st	143		21.1	6.7	0.8		
1131	0.8	2nd	6.16	2nd	145		21.0	7.0	0.8		
1133	0.8	3rd	6.19	3rd	145		21.0	6.8	0.8		
		4th		4th							
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	6.19	145	21.0	6.8	0.8		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): Purge Mises set @ 96.00 ft.

CALC: 108.81 - 96.00 = 12.81 x 0.163 = 2.09 x 3 = 6.26

FLOW: 18 x 4 = 72 ÷ 60 = 1.2 x 6.26 = 7.51

ACTUAL: 12 ÷ 1.2 = 10.0

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

SEVERN TRENT STL

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: SW-1 (Sample ID)

This Waste Management Field Information Form is Required. This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only, Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hr:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
08 08 05					

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: —

Sampling Device: X

X-Other: Sample Bottle

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:50	N/A 1st	4.01 1st	810	26.2	4.5	2.16		
	2nd	2nd	2nd					
	3rd	3rd	3rd					
	4th	4th	4th					
Suggested range for 3 consec. readings or state Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 08 06	4.01	810	26.2	4.5	2.16		

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: CLEAR Odor: NONE Color: Yellow Tint Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 85's Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): ____

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7.8.05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

SEVERN TRENT STL

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: SW-2 (Sample ID)

This Waste Management Field Information Form is Required. This form is to be completed, in addition to any State Forms. The Field form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only Lab ID

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (duration)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070805					

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: —

Sampling Device: X

X-Other: Sample Bottle

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type:

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type:

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0910	N/A	3.76	89	24.2	86	1.56		
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
070805	3.76	89	24.2	86	1.56		

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: CLEAR Odor: NONE Color: Yellow/Orange Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: P.C. 85°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocol(s). (If more than one sampler, all should sign):

Date	Name	Signature	Company
7/8/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: L D S S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070705	—	—	—	—	—

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N 0.45 µ or ___ µ (circle or fill in)

Purging Device: —

Sampling Device: X

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: Sample Port on leachate system

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
12:55	NA	7.17	7582	33.4	>11000	0.0		
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
070705	7.17	7582	33.4	>11000	0.0		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLOUDY Odor: ODOR Color: BLACK Other: Slt. Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: P.C. 90°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: LCS (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only: Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
07 07 05					

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: —

Sampling Device: X

X-Other: Sample Port on leachate system

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC) ____ (ft/msl)

Depth to Water (DTW) (from TOC) ____ (ft)

Groundwater Elevation (site datum, from TOC) ____ (ft/msl)

Total Well Depth (from TOC) ____ (ft)

Stick Up (from ground elevation) ____ (ft)

Casing ID ____ (in)

Casing Material ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1310	NA	1st 6.99	1st 7017	3.40	98	0.0		
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
07 07 05	6.99	7017	3.40	98	0.0		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: ODOR Color: BLACK Other: NO sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: P.C. 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Composite of LEACHATE Tanks #1 thru #5

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: COND (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
070705	—	—	—	—	—

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w. Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N 0.45 µ or ____ µ (circle or fill in)

Purging Device: —

Sampling Device: X

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: Sample Port on Condensate System

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1330	NA	6.42	2260	34.4	92	13		
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
070705	6.42	2260	34.4	92	13		

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: ODOR Color: NONE Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: P.C. 90°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
7/7/05	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

SEVERN TRENT STL

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE
Site No.:
Sample Point: MWB34S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hr:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 05	1628	00:12	1.15	1.90	6.1

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N
Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: —
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other
X-Other:
Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 1278 (ft/msl)
Depth to Water (DTW) (from TOC): 926 (ft)
Groundwater Elevation (site datum, from TOC): 1162 (ft/msl)
Total Well Depth (from TOC): 1830 (ft)
Stick Up (from ground elevation): ____ (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1034	7.5 1st	6.13 1st	1.168 0 1st	25.3	1151	1.2	153	
1036	7.5 2nd	6.08 2nd	1.131 6 2nd	25.2	193	1.2	138	
1038	7.5 3rd	6.10 3rd	1.113 3 3rd	25.2	194	1.2	131	
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10 13 05	6.00	1133	25.2	9.4	1.2	131	

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: CLEAR
Odor: SLIGHT
Color: BROWN TINT
Other:
Weather Conditions (required daily, or as conditions change):
Direction/Speed: SW/0-5
Outlook: CLOUDY 70°F
Precipitation: Y or (N)

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required):

CALC: 18.30 − 9.26 = 9.04 × 0.163 = 1.47 × 3 = 4.42 GAL.
PURGE RATE: 20 × 4 = 80 ÷ 60 = 1.33 × 4.42 = 5.88 MIN
PURGE VOL: 12.00 ÷ 1.33 = 9.02 GAL.
TEMP. AT START OF PURGE: 24.6°C
SAMPLE TIME: 1040

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10 13 05	BEN RAMEAKERS	Ben Rameaker	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Sent with Sample; YELLOW - Returned to Client; PINK - Field Copy

STL-8029WM R: 12/00

SEVERN TRENT **STL**

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.:

Sample Point: MW-B34D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 05	1000	00:50	15.6	56.6	3 3

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or _____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)	Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1259.2 (ft/msl)	87.0 (ft)	1172 (ft/msl)	100.78 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1040	1.0 (1st)	7.06 (1st)	418 (1st)	21.9	02		172	
1042	1.0 (2nd)	7.07 (2nd)	410 (2nd)	21.8	01		183	
1046	1.0 (3rd)	7.11 (3rd)	406 (3rd)	21.8	01		194	
	(4th)	(4th)	(4th)					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
10 13 05	7.11	406	21.8	01		194	

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: SE/0-5 Outlook: CLOUDY 70°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 100.78 - 8.70 = 92.08 x 0.163 = 15.00 x 3 = 45.03 GAL.

PURGE RATE: 15x4 = 60 ÷ 60 = 1.00 x 45.03 = 45.03 MIN.

PURGE VOL: 50.00 ÷ 1.00 = 50.0 GAL.

TEMP. @ START OF PURGE: 21.9°C SAMPLE TIME: 1050

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/05	BEN RAMSEWAAN	Ben Ramseewan	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stay with Sample; YELLOW - Returned to Client; PINK - Field Copy

STL-8029WM R: 12/00

SEVERN TRENT **STL**

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: | | | |

Sample Point: MW325 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hr:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
101305	1110	0015	19	113	59

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 1246.4 (ft/msl)

Depth to Water (DTW) (from TOC): 81.2 (ft)

Groundwater Elevation (site datum, from TOC): 1165.2 (ft/msl)

Total Well Depth (from TOC): 190 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id. etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1118	7.5 1st	4.97 1st	1144 1st	24.1	29.8	0.9	203	
1120	7.5 2nd	5.02 2nd	1195 2nd	23.9	29.6	0.9	197	
1122	7.5 3rd	5.04 3rd	1197 3rd	23.7	29.5	0.9	190	
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
101305	5.04	197	23.7	29.5	0.9	190	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: SLIGHTY CLOUDY Odor: NO ODOR Color: BROWN TINT Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/0-5 Outlook: CLOUDY 65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC': 190 − 81.2 = 11.78 X 0.163 = 1.92 X 3 = 5.76 GAL.

PURGE RATE': 20 X 4 = 80 ÷ 60 = 1.33 X 5.76 = 7.66 MIN.

PURGE VOL': 15.00 ÷ 1.33 = 11.28 GAL.

WATER TEMP. AT START OF PURGE: 23.4°C SAMPLE TIME: 1125

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/05	BEN RAMSEAUR	Ben Ramseaur	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

SEVERN TRENT STL

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE
Site No.:
Sample Point: MW B 2 1 5 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 05	11:40	00:12	14	10.0	7.0

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N
Filter Device: Y or (N) 0.45 µ or _____ µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: —
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other
X-Other:
Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 1284 (ft/msl)
Depth to Water (DTW) (from TOC): 9.18 (ft)
Groundwater Elevation (site datum, from TOC): 1136 (ft/msl)
Total Well Depth (from TOC): 18.00 (ft)
Stick Up (from ground elevation): (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1145	8.3 1st	5.77 1st	1183	25.3	30	0.9	103	
1147	8.3 2nd	5.77 2nd	1177	25.3	35	0.9	99	
1149	8.3 3rd	5.78 3rd	1175	25.3	29	0.9	86	
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10 13 05	5.78	1175	25.3	29	0.9	86	

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other:
Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/D-5 Outlook: CLOUDY, 70°F Precipitation: Y or (N)
Specific Comments (including purge/well volume calculations if required):

CALC: 18.00 − 9.18 = 8.82 × 0.163 = 1.43 × 3 = 4.31 GAL.
PURGE RATE: 1.8 × 4 = 7.2 ÷ 60 = 1.2 × 4.31 = 5.18 MIN.
PURGE VOL: 12 ÷ 1.2 = 10.0 GAL.
TEMP. AT START OF PURGE: 25.1 °C SAMPLE TIME: 1152

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/05	BEN RANNEAULT	Ben Ranneault	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

SEVERN TRENT STL

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: TRAIL RIDGE

Site No.: | | | | | Sample Point: SW1 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hr:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 05	1220				

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or _____ µ (circle or fill in)

Purging Device: —
A- Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: F

X-Other:

Filter Type: —
A-In-line Disposable B-Pressure C-Vacuum X-Other _____

Sample Tube Type: —
A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other: _____

WELL DATA

Well Elevation (at TOC) _____ (ft/msl)
Depth to Water (DTW) (from TOC) _____ (ft)
Groundwater Elevation (site datum, from TOC) _____ (ft/msl)
Total Well Depth (from TOC) _____ (ft)
Stick Up (from ground elevation) _____ (ft)
Casing ID _____ (in)
Casing Material _____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st	1st	1st					
	2nd	2nd	2nd					
	3rd	3rd	3rd					
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data-Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
10 13 05	4.64	80	23.5	2.8	2.2	266	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: REDDISH TINT Other: OILY SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW / 0-5 Outlook: CLOUDY 60°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): _____

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/05	BEN RAMSEYER	Ben Ramseyer	PRO-TECH
/ /			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

Appendix D

FDEP Semi-Annual Surface Water Parameter Monitoring Report Forms

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMSW

Description: Semiannual Surface Water: 62-701.510(8)(B) (2 Pages)

WACS Facility ID #: 33629

WACS Testsite ID #: 17209

WACS Testsite Name: SW-1

Water Classification: SW-IIIF
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/8/2005 9:50:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077103	2-Hexanone	N	E84282	8260B	7/13/2005 2:41:00AM	4.4	4.4	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.63	0.63	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	1.6	1.6	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 2:41:00AM	0.41	0.41	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/8/2005 9:50:00AM	4.01		SU	
000010	Field Temperature	N	E84282	Field Sampling	7/8/2005 9:50:00AM	26.2		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/8/2005 9:50:00AM	2.6		mg/L	
082079	Turbidity	N	E84282	Field Sampling	7/8/2005 9:50:00AM	4.5		NTU	
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 7:20:00AM	0.0087	0.0087	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.14	0.14	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.46	0.46	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 2:41:00AM	0.65	0.65	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.47	0.47	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.52	0.52	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 2:41:00AM	0.45	0.45	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 2:41:00AM	0.15	0.15	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 2:41:00AM	0.44	0.44	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.57	0.57	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 2:41:00AM	0.52	0.52	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 2:41:00AM	0.52	0.52	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 7:20:00AM	0.003	0.003	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 2:41:00AM	0.9	0.9	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 2:41:00AM	1.5	1.5	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.58	0.58	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 2:41:00AM	0.27	0.27	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 2:41:00AM	1.2	1.2	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 2:41:00AM	0.58	0.58	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.66	0.66	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 2:41:00AM	9.9	9.9	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 2:41:00AM	0.85	0.85	ug/L	U
031616	Fecal Coliform (MF)	N	E84282	SM9222D	7/8/2005 11:35:00AM	20	1	cfu/100ml	
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 2:41:00AM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.8	0.8	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.64	0.64	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 2:41:00AM	0.14	0.14	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.34	0.34	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 2:41:00AM	3.8	3.8	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/8/2005 9:50:00AM	80		umhos/cm	
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 2:41:00AM	8.4	8.4	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 2:41:00AM	0.44	0.44	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.67	0.67	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 2:41:00AM	0.42	0.42	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 2:41:00AM	4	4	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 2:41:00AM	0.98	0.98	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33629

WACS Testsite ID #: 17209

WACS Testsite Name: SW-1

Water Classification: SW-IIIF
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/8/2005 9:50:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 2:41:00AM	0.34	0.34	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 2:41:00AM	3.8	0.51	ug/L	
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 2:41:00AM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 2:41:00AM	0.14	0.14	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 2:41:00AM	2.5	2.5	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 2:41:00AM	0.28	0.28	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.98	0.98	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 2:41:00AM	0.9	0.9	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 2:41:00AM	0.5	0.5	ug/L	U
000530	Total Suspended Solids	N	E84282	160.2	7/13/2005 1:41:00PM	6.8	5	mg/L	
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	64	5	mg/L	
000610	Ammonia	N	E84282	350.1	7/14/2005 1:32:00PM	0.04	0.04	mg/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/9/2005 12:29:00PM	0.01	0.01	mg/L	U
000615	Nitrite Nitrogen	N	E84282	353.2	7/9/2005 12:29:00PM	0.03	0.01	mg/L	I
000665	Phosphorus, Total	N	E84282	365.4	7/16/2005 8:00:00PM	0.017	0.017	mg/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	4.7	4.7	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 2:41:00AM	0.35	0.35	ug/L	U
000310	Biochemical Oxygen Demand	N	E84282	405.1	7/9/2005 12:00:00PM	2	2	mg/L	U
000600	Nitrogen, Total	N	E84282	Total Nitrogen	7/19/2005 8:23:00AM	1.8	0.13	mg/L	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	0.74	0.74	ug/L	U
000612	Unionized Ammonia	N	E84282	UnionizedNH3	7/19/2005 8:43:00AM	0.01	0.01	mg/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	3.6	3.6	ug/L	U
000625	Nitrogen, Kjeldahl	N	E84282	351.2	7/16/2005 7:48:00PM	1.8	0.12	mg/L	
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	5	5	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	1.6	1.6	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	4.8	4.8	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	26	1.2	ug/L	
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	0.71	0.71	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	1.7	1.7	ug/L	U
000340	Chemical Oxygen Demand	N	E84282	5220C	7/14/2005 10:00:00PM	150	20	mg/L	
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	1.9	1.9	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	14	5.9	ug/L	I
071900	Mercury	N	E84282	245.1	7/12/2005 7:06:00PM	0.072	0.072	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	2600	22	ug/L	
001059	Thallium	N	E87052	200.8	7/28/2005 10:05:00PM	0.27	0.25	ug/L	I
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	2.5	2.5	ug/L	U
046570	Hardness as calcium carbonate	N	E84282	2340B	7/15/2005 3:22:00PM	12	3.3	mg/L	
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 5:22:00PM	5.9	5.9	ug/L	U
000680	Total Organic Carbon	N	E84282	415.1	7/15/2005 6:00:00PM	62	5.3	mg/L	
032238	Chlorophyll A	N	E84282	SM10200H	7/15/2005 1:00:00PM	4.7	1	mg/m3	

Total Parameters Monitored: 84

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMSW

Description: Semiannual Surface Water: 62-701.510(8)(B) (2 Pages)

WACS Facility ID #: 33629

WACS Testsite ID #: 17210

WACS Testsite Name: SW-2

Water Classification: SW-IIIF
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/8/2005 9:00:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 3:01:00AM	0.65	0.65	ug/L	U
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/8/2005 9:00:00AM	5.6		mg/L	
082079	Turbidity	N	E84282	Field Sampling	7/8/2005 9:00:00AM	8.6		NTU	
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 7:41:00AM	0.0031	0.0031	ug/L	U
000010	Field Temperature	N	E84282	Field Sampling	7/8/2005 9:00:00AM	24.2		Degrees C	
000094	Specific Conductance	N	E84282	Field Sampling	7/8/2005 9:00:00AM	89		umhos/cm	
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.47	0.47	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.63	0.63	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.14	0.14	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/8/2005 9:00:00AM	3.76		SU	
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.57	0.57	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.52	0.52	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 3:01:00AM	0.15	0.15	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/13/2005 3:01:00AM	0.45	0.45	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 3:01:00AM	0.52	0.52	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 3:01:00AM	0.44	0.44	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.64	0.64	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 3:01:00AM	0.52	0.52	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.67	0.67	ug/L	U
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 7:41:00AM	0.009	0.009	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 3:01:00AM	4.4	4.4	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/13/2005 3:01:00AM	3.8	3.8	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.66	0.66	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 3:01:00AM	1.2	1.2	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.46	0.46	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 3:01:00AM	0.85	0.85	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 3:01:00AM	0.42	0.42	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 3:01:00AM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.8	0.8	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.35	0.35	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.58	0.58	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 3:01:00AM	9.9	9.9	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 3:01:00AM	0.51	0.51	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.34	0.34	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 3:01:00AM	0.44	0.44	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 3:01:00AM	8.4	8.4	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 3:01:00AM	0.41	0.41	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 3:01:00AM	1.5	1.5	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 3:01:00AM	0.34	0.34	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 3:01:00AM	0.98	0.98	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/9/2005 12:29:00PM	0.028	0.01	mg/L	I
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 3:01:00AM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 3:01:00AM	0.14	0.14	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 3:01:00AM	2.5	2.5	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33629

WACS Testsite ID #: 17210

WACS Testsite Name: SW-2

Water Classification: SW-IIIF
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/8/2005 9:00:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	3.6	3.6	ug/L	U
032104	*Bromoform*	N	E84282	8260B	7/13/2005 3:01:00AM	0.58	0.58	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	1.7	1.7	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 3:01:00AM	0.98	0.98	ug/L	U
000615	Nitrite Nitrogen	N	E84282	353.2	7/9/2005 12:29:00PM	0.016	0.01	mg/L	I
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 3:01:00AM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 3:01:00AM	0.9	0.9	ug/L	U
070300	Total Dissolved Solids	N	E84282	160.1	7/14/2005 1:00:00PM	52	5	mg/L	
000530	Total Suspended Solids	N	E84282	160.2	7/13/2005 1:41:00PM	5	5	mg/L	U
000610	Ammonia	N	E84282	350.1	7/14/2005 1:34:00PM	0.04	0.04	mg/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 3:01:00AM	0.14	0.14	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 3:01:00AM	0.9	0.9	ug/L	U
000665	Phosphorus, Total	N	E84282	365.4	7/16/2005 8:00:00PM	0.017	0.017	mg/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 3:01:00AM	0.28	0.28	ug/L	U
000310	Biochemical Oxygen Demand	N	E84282	405.1	7/9/2005 12:00:00PM	2	2	mg/L	U
000680	Total Organic Carbon	N	E84282	415.1	7/15/2005 6:00:00PM	36	5.3	mg/L	
000340	Chemical Oxygen Demand	N	E84282	5220C	7/14/2005 10:00:00PM	87	20	mg/L	
000600	Nitrogen, Total	N	E84282	Total Nitrogen	7/19/2005 8:23:00AM	1.2	0.13	mg/L	
000612	Unionized Ammonia	N	E84282	UnionizedNH3	7/19/2005 8:43:00AM	0.01	0.01	mg/L	U
000625	Nitrogen, Kjeldahl	N	E84282	351.2	7/16/2005 7:48:00PM	0.77	0.12	mg/L	
032238	Chlorophyll A	N	E84282	SM10200H	7/15/2005 1:00:00PM	1	1	mg/m3	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	5	5	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	4.8	4.8	ug/L	U
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	58	1.2	ug/L	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	0.94	0.74	ug/L	I
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	0.71	0.71	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 3:01:00AM	0.27	0.27	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 3:01:00AM	4	4	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	1.6	1.6	ug/L	U
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	5.9	5.9	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	1.9	1.9	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	4.7	2.5	ug/L	I
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	5.9	5.9	ug/L	U
001059	Thallium	N	E87052	200.8	7/28/2005 10:12:00PM	0.25	0.25	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 7:07:00PM	0.072	0.072	ug/L	U
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	4.7	4.7	ug/L	U
046570	Hardness as calcium carbonate	N	E84282	2340B	7/15/2005 3:22:00PM	6.1	3.3	mg/L	
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	400	22	ug/L	
031616	*Fecal Coliform (MF)*	N	E84282	SM9222D	7/8/2005 11:35:00AM	40	1	cfu/100ml	
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 5:39:00PM	1.6	1.6	ug/L	U

Total Parameters Monitored: 84

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMSW

Description: Semiannual Surface Water: 62-701.510(8)(B) (2 Pages)

WACS Facility ID #: 33629

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK 8260

Water Classification: SW-IIIF
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/8/2005 9:00:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/13/2005 2:22:00AM	0.44	0.44	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.63	0.63	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.46	0.46	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.14	0.14	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.47	0.47	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.52	0.52	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/13/2005 2:22:00AM	0.52	0.52	ug/L	U
034501	1,1-Dichloroethylene	N	E84282	8260B	7/13/2005 2:22:00AM	0.45	0.45	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/13/2005 2:22:00AM	4.4	4.4	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/13/2005 2:22:00AM	1.2	1.2	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/13/2005 2:22:00AM	0.34	0.34	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.57	0.57	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/13/2005 2:22:00AM	0.52	0.52	ug/L	U
081552	Acetone	N	E84282	8260B	7/13/2005 2:22:00AM	9.9	9.9	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/13/2005 2:22:00AM	0.15	0.15	ug/L	U
032106	Chloroform	N	E84282	8260B	7/13/2005 2:22:00AM	0.9	0.9	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/13/2005 2:22:00AM	0.63	0.63	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.34	0.34	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 2:22:00AM	0.14	0.14	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 2:22:00AM	0.65	0.65	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.64	0.64	ug/L	U
078124	Benzene	N	E84282	8260B	7/13/2005 2:22:00AM	0.27	0.27	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.8	0.8	ug/L	U
081596	methyl isobutyl ketone	N	E84282	8260B	7/13/2005 2:22:00AM	3.8	3.8	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/13/2005 2:22:00AM	0.42	0.42	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/13/2005 2:22:00AM	0.85	0.85	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.66	0.66	ug/L	U
032104	Bromoform	N	E84282	8260B	7/13/2005 2:22:00AM	0.58	0.58	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.98	0.98	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.58	0.58	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.67	0.67	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/13/2005 2:22:00AM	0.44	0.44	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/13/2005 2:22:00AM	0.41	0.41	ug/L	U
077128	Styrene	N	E84282	8260B	7/13/2005 2:22:00AM	0.98	0.98	ug/L	U
034010	Toluene	N	E84282	8260B	7/13/2005 2:22:00AM	0.51	0.51	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/13/2005 2:22:00AM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/13/2005 2:22:00AM	0.14	0.14	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/13/2005 2:22:00AM	0.35	0.35	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/13/2005 2:22:00AM	0.28	0.28	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/13/2005 2:22:00AM	4	4	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/13/2005 2:22:00AM	1.5	1.5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/13/2005 2:22:00AM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/13/2005 2:22:00AM	0.9	0.9	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/13/2005 2:22:00AM	2.5	2.5	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33629

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK 8260

Water Classification: SW-IIIF
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/8/2005 9:00:00AM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/13/2005 2:22:00AM	8.4	8.4	ug/L	U

Total Parameters Monitored: 45

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMSW
Description: Semiannual Surface Water: 62-701.510(8)(B) (1 Pages)

WACS Facility ID #: 33629
WACS Testsite ID #: 0
WACS Testsite Name: TRIP BLANK EDB
Water Classification: SW-IIIF
(i.e.: LC - Leachate, G-II, SW-IIIF)
* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/8/2005 9:00:00AM
Sampling Method: Unknown
Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 8:02:00AM	0.009	0.009	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 8:02:00AM	0.0031	0.0031	ug/L	U

Total Parameters Monitored: 2

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Appendix E

STL Laboratory Reports – Surface Water Sample Points

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-3061-1

Job Description: Semi-annual SW/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
08/08/2005

Methods: FDEP, DOH Certification #: E84282 These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

SEVERN TRENT STL

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3061-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3061-1	SW-1					
Toluene		3.8		1.0	ug/L	8260B
Hardness as calcium carbonate		12		3.3	mg/L	2340B
Total Dissolved Solids		64		5.0	mg/L	160.1
Total Suspended Solids		6.8		5.0	mg/L	160.2
Nitrogen, Kjeldahl		1.8		0.50	mg/L	351.2
Nitrite Nitrogen		0.030	I	0.050	mg/L	353.2
Total Organic Carbon		62		10	mg/L	415.1
Chemical Oxygen Demand		150		20	mg/L	5220C
Nitrogen, Total		1.8		0.55	mg/L	Total Nitrogen
Total Recoverable						
Barium		26		10	ug/L	200.7 Rev 4.4
Iron		2600		50	ug/L	200.7 Rev 4.4
Zinc		14	I	20	ug/L	200.7 Rev 4.4
Thallium		0.27	I	1.0	ug/L	200.8
660-3061-2	SW-2					
Hardness as calcium carbonate		6.1		3.3	mg/L	2340B
Total Dissolved Solids		52		5.0	mg/L	160.1
Nitrogen, Kjeldahl		0.77		0.50	mg/L	351.2
Nitrite Nitrogen		0.016	I	0.050	mg/L	353.2
Nitrate Nitrogen		0.028	I	0.050	mg/L	353.2
Total Organic Carbon		36		10	mg/L	415.1
Chemical Oxygen Demand		87		20	mg/L	5220C
Nitrogen, Total		1.2		0.55	mg/L	Total Nitrogen
Total Recoverable						
Barium		58		10	ug/L	200.7 Rev 4.4
Beryllium		0.94	I	4.0	ug/L	200.7 Rev 4.4
Iron		400		50	ug/L	200.7 Rev 4.4
Vanadium		4.7	I	10	ug/L	200.7 Rev 4.4

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3061-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-TAM	SW846 8260B	
Purge-and-Trap	STL-TAM		SW846 5030B
EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography	STL-TAM	EPA-01 504.1	
EDB, DBCP, and 123TCP in Water by	STL-TAM		EPA-DW 504.1
ICP Metals by 200.7	STL-TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL-TAM		40CFR136A 200.7 Appx C
ICPMS Metals by 200.8 CWA	STL-SAV	EPA 200.8	
Total Recoverable Metals for 200.8	STL-SAV		MCAWW 4.1.4
Mercury in Water by CVAA	STL-TAM	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-TAM		EPA 245.1
Hardness by Calculation	STL-TAM	SM20 2340B	
Field Sampling	STL-TAM	EPA Field Sampling	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-TAM	MCAWW 160.1	
Residue, Non-Filterable (Gravimetric, Dried at 103-105C)	STL-TAM	MCAWW 160.2	
Nitrogen (Ammonia, Colorimetric, Automated Phenate)	STL-TAM	MCAWW 350.1	
Nitrogen, Total Kjeldahl (Colorimetric, Semi-Automated Block Digester, AAII)	STL-TAM	MCAWW 351.2	
Nitrogen, Total Kjeldahl (Colorimetric,	STL-TAM		MCAWW 351.2
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAM	MCAWW 353.2	
Total Phosphorus	STL-TAM	EPA 365.4	
Sample Digestion for Total Phosphorous	STL-TAM		MCAWW 365.2/365.3
Biochemical Oxygen Demand, BOD (5 day, 20 °C)	STL-TAM	MCAWW 405.1	
Total Organic Carbon, Combustion or Oxidation	STL-TAM	MCAWW 415.1	
Chemical Oxygen Demand (Titrimetric)	STL-TAM	SM18 5220C	
Total Nitrogen	STL-TAM	EPA Total Nitrogen	
Unionized Ammonia by Florida DEP SOP	STL-TAM	FL-DEP UnionizedNH3	
Fecal Coliforms	STL-TAM	EPA	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

STL Tampa

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3061-1

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

FL-DEP - State Of Florida Department Of Environmental Protection, Florida Administrative Code.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 - "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SM20 - "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3061-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3061-1	SW-1	Water	07/08/2005 0950	07/09/2005 1000
660-3061-2	SW-2	Water	07/08/2005 0900	07/09/2005 1000
660-3061-3TB	TRIP BLANK 8260 APP I	Water	07/08/2005 0900	07/09/2005 1000
660-3061-4TB	TRIP BLANK EDB	Water	07/08/2005 0900	07/09/2005 1000

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-1

Lab Sample ID: 660-3061-1
Client Matrix: Water

Date Sampled: 07/08/2005 0950
Date Received: 07/09/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0241
Date Prepared: 07/13/2005 0241

Analysis Batch: 660-10202

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1254.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	3.8		0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-1

Lab Sample ID: 660-3061-1
Client Matrix: Water

Date Sampled: 07/08/2005 0950
Date Received: 07/09/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0241
Date Prepared: 07/13/2005 0241

Analysis Batch: 660-10202

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1254.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	85	74 - 126
Dibromofluoromethane	100	70 - 130
Toluene-d8	100	77 - 122

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-2

Lab Sample ID: 660-3061-2
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0301
Date Prepared: 07/13/2005 0301

Analysis Batch: 660-10202

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1255.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-2

Lab Sample ID: 660-3061-2
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0301
Date Prepared: 07/13/2005 0301

Analysis Batch: 660-10202

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1255.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	86	74 - 126
Dibromofluoromethane	95	70 - 130
Toluene-d8	96	77 - 122

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: **TRIP BLANK 8260 APP I**

Lab Sample ID: 660-3061-3TB
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0222
Date Prepared: 07/13/2005 0222

Analysis Batch: 660-10202

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1253.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
methyl isobutyl ketone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Analytical Data

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: **TRIP BLANK 8260 APP I**

Lab Sample ID: 660-3061-3TB
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/13/2005 0222
Date Prepared: 07/13/2005 0222

Analysis Batch: 660-10202

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1253.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	74 - 126
Dibromofluoromethane	98	70 - 130
Toluene-d8	99	77 - 122

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-1

Lab Sample ID: 660-3061-1
Client Matrix: Water

Date Sampled: 07/08/2005 0950
Date Received: 07/09/2005 1000

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0720
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S068.D
Initial Weight/Volume: 34.8477 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0087	U	0.0087	0.020

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-2

Lab Sample ID: 660-3061-2
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0741
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S069.D
Initial Weight/Volume: 33.7983 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.021
Ethylene Dibromide	0.0090	U	0.0090	0.021

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: **TRIP BLANK EDB**

Lab Sample ID: 660-3061-4TB
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0802
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S070.D
Initial Weight/Volume: 34.0179 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.021
Ethylene Dibromide	0.0090	U	0.0090	0.021

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-1

Lab Sample ID: 660-3061-1
Client Matrix: Water

Date Sampled: 07/08/2005 0950
Date Received: 07/09/2005 1000

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1722
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	26		1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	2600		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	14	I	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/28/2005 2205
Date Prepared: 07/28/2005 0942

Analysis Batch: 680-17544
Prep Batch: 680-17337

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.27	I	0.25	1.0

2340B Hardness by Calculation

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-1

Lab Sample ID: 660-3061-1
Client Matrix: Water

Date Sampled: 07/08/2005 0950
Date Received: 07/09/2005 1000

2340B Hardness by Calculation

Method: 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/15/2005 1522
Date Prepared: N/A

Analysis Batch: 660-10280

Instrument ID: No Equipment
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	PQL
Hardness as calcium carbonate	12		3.3	3.3

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1906
Date Prepared: 07/12/2005 1210

Analysis Batch: 660-10032
Prep Batch: 660-9990

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-2

Lab Sample ID: 660-3061-2
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 07/13/2005 1739
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974

Instrument ID: TJA ICP TRACE
Lab File ID:. 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	58		1.2	10
Beryllium	0.94	I	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	400		22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	4.7	I	2.5	10
Zinc	5.9	U	5.9	20

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/28/2005 2212
Date Prepared: 07/28/2005 0942

Analysis Batch: 680-17544
Prep Batch: 680-17337

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

2340B Hardness by Calculation

Analytical Data

Client: HDR Engineering

Job Number: 660-3061-1

Client Sample ID: SW-2

Lab Sample ID: 660-3061-2
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

2340B Hardness by Calculation

Method: 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/15/2005 1522
Date Prepared: N/A

Analysis Batch: 660-10280

Instrument ID: No Equipment
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	PQL
Hardness as calcium carbonate	6.1		3.3	3.3

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1907
Date Prepared: 07/12/2005 1210

Analysis Batch: 660-10032
Prep Batch: 660-9990

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Field Service / Mobile Lab

Client Sample ID: SW-1

Lab Sample ID: 660-3061-1
Client Matrix: Water
% Moisture:

Date Sampled: 07/08/2005 0950
Date Received: 07/09/2005 1000

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Oxygen, Dissolved	2.6		mg/L	1.0	Field	660-1036	07/08/2005 0950
Turbidity	4.5		NTU	1.0	Field	660-1036	07/08/2005 0950
Field pH	4.01		SU	1.0	Field	660-1036	07/08/2005 0950
Specific Conductance	80		umhos/cm	1.0	Field	660-1036	07/08/2005 0950
Field Temperature	26.2		Degrees C	1.0	Field	660-1036	07/08/2005 0950

Client Sample ID: SW-2

Lab Sample ID: 660-3061-2
Client Matrix: Water
% Moisture:

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Oxygen, Dissolved	5.6		mg/L	1.0	Field	660-1036	07/08/2005 0900
Turbidity	8.6		NTU	1.0	Field	660-1036	07/08/2005 0900
Field pH	3.76		SU	1.0	Field	660-1036	07/08/2005 0900
Specific Conductance	89		umhos/cm	1.0	Field	660-1036	07/08/2005 0900
Field Temperature	24.2		Degrees C	1.0	Field	660-1036	07/08/2005 0900

General Chemistry

Client Sample ID: SW-1

Lab Sample ID: 660-3061-1
Client Matrix: Water

Date Sampled: 07/08/2005 0950
Date Received: 07/09/2005 1000

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1332						
Nitrate Nitrogen	0.010	U	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-10144	Date Analyzed 07/09/2005 1229						
Nitrite Nitrogen	0.030	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-10144	Date Analyzed 07/09/2005 1229						
Nitrogen, Kjeldahl	1.8		mg/L	0.12	0.50	1.0	351.2
Anly Batch: 660-10374	Date Analyzed 07/16/2005 1948						
Prep Batch: 660-10371	Date Prepared: 07/16/2005 1948						
Nitrogen, Total	1.8		mg/L	0.13	0.55	1.0	Total Nitrogen
Anly Batch: 660-10442	Date Analyzed 07/19/2005 0823						
Phosphorus, Total	0.017	U	mg/L	0.017	0.10	1.0	365.4
Anly Batch: 660-10439	Date Analyzed 07/16/2005 2000						
Prep Batch: 660-10438	Date Prepared: 07/16/2005 1900						
Total Organic Carbon	62		mg/L	5.3	10	10	415.1
Anly Batch: 660-10348	Date Analyzed 07/15/2005 1800						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	64		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300						
Unionized Ammonia	0.010	U	mg/L	0.010	0.010	1.0	UnionizedNH3
Anly Batch: 660-10446	Date Analyzed 07/19/2005 0843						
Total Suspended Solids	6.8		mg/L	5.0	5.0	1.0	160.2
Anly Batch: 660-10209	Date Analyzed 07/13/2005 1341						
Chemical Oxygen Demand	150		mg/L	20	20	1.0	5220C
Anly Batch: 660-10423	Date Analyzed 07/14/2005 2200						
Biochemical Oxygen Demand	2.0	U	mg/L	2.0	2.0	1.0	405.1
Anly Batch: 660-10185	Date Analyzed 07/09/2005 1200						

General Chemistry

Client Sample ID: SW-2

Lab Sample ID: 660-3061-2
Client Matrix: Water

Date Sampled: 07/08/2005 0900
Date Received: 07/09/2005 1000

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	0.040	U	mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1334						
Nitrate Nitrogen	0.028	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-10144	Date Analyzed 07/09/2005 1229						
Nitrite Nitrogen	0.016	I	mg/L	0.010	0.050	1.0	353.2
Anly Batch: 660-10144	Date Analyzed 07/09/2005 1229						
Nitrogen, Kjeldahl	0.77		mg/L	0.12	0.50	1.0	351.2
Anly Batch: 660-10374	Date Analyzed 07/16/2005 1948						
Prep Batch: 660-10371	Date Prepared: 07/16/2005 1948						
Nitrogen, Total	1.2		mg/L	0.13	0.55	1.0	Total Nitrogen
Anly Batch: 660-10442	Date Analyzed 07/19/2005 0823						
Phosphorus, Total	0.017	U	mg/L	0.017	0.10	1.0	365.4
Anly Batch: 660-10439	Date Analyzed 07/16/2005 2000						
Prep Batch: 660-10438	Date Prepared: 07/16/2005 1900						
Total Organic Carbon	36		mg/L	5.3	10	10	415.1
Anly Batch: 660-10348	Date Analyzed 07/15/2005 1800						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	52		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-10324	Date Analyzed 07/14/2005 1300						
Unionized Ammonia	0.010	U	mg/L	0.010	0.010	1.0	UnionizedNH3
Anly Batch: 660-10446	Date Analyzed 07/19/2005 0843						
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	160.2
Anly Batch: 660-10209	Date Analyzed 07/13/2005 1341						
Chemical Oxygen Demand	87		mg/L	20	20	1.0	5220C
Anly Batch: 660-10423	Date Analyzed 07/14/2005 2200						
Biochemical Oxygen Demand	2.0	U	mg/L	2.0	2.0	1.0	405.1
Anly Batch: 660-10185	Date Analyzed 07/09/2005 1200						

SEVERN TRENT STL

DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3061-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10202

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10202/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1344
Date Prepared: 07/12/2005 1344

Analysis Batch: 660-10202
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 1HG1214.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
methyl isobutyl ketone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10202

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10202/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1344
Date Prepared: 07/12/2005 1344

Analysis Batch: 660-10202
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 1HG1214.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	74 - 126
Dibromofluoromethane	97	70 - 130
Toluene-d8	102	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10202

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10202/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 2150
Date Prepared: 07/12/2005 2150

Analysis Batch: 660-10202
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 1HG1239.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10202/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1129
Date Prepared: 07/12/2005 1129

Analysis Batch: 660-10202
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 1HG1207.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	102	99	62 - 135	3	37		
Chlorobenzene	99	95	72 - 127	3	22		
1,1-Dichloroethylene	91	91	46 - 147	0	30		
Toluene	105	99	68 - 131	6	33		
Trichloroethene	97	98	56 - 143	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10202

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-2958-J-1 MS	Analysis Batch: 660-10202	Instrument ID: BVMH GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1HG1311.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/13/2005 1320		Final Weight/Volume: 5 mL
Date Prepared:	07/13/2005 1320		

MSD Lab Sample ID:	660-2958-L-1 MSD	Analysis Batch: 660-10202	Instrument ID: BVMH GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1HG1312.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/13/2005 1339		Final Weight/Volume: 5 mL
Date Prepared:	07/13/2005 1339		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	108	107	62 - 135	1	37		
Chlorobenzene	102	104	72 - 127	2	22		
1,1-Dichloroethene	112	108	46 - 147	4	30		
Toluene	108	109	68 - 131	1	33		
Trichloroethene	114	105	56 - 143	8	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10254

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-10254/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 2340
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S046.D
Initial Weight/Volume: 34.6496 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0088	U	0.0088	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-10254/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0000
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S047.D
Initial Weight/Volume: 34.4460 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10254/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0021
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S048.D
Initial Weight/Volume: 35.0693 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	109	113	70 - 130	1	30		
Ethylene Dibromide	98	101	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-3044-I-1-B MS	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S050.D
Dilution:	1.0		Initial Weight/Volume: 35.4480 g
Date Analyzed:	07/15/2005 0103		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	660-3044-I-1-C MSD	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S051.D
Dilution:	1.0		Initial Weight/Volume: 34.7048 g
Date Analyzed:	07/15/2005 0124		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	107	106	70 - 130	1	30		
Ethylene Dibromide	108	107	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9974/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1433
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-9974/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1438
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9974/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1444
Date Prepared: 07/12/2005 0913

Analysis Batch: 660-10101
Prep Batch: 660-9974
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	100	98	85 - 115	2	20		
Arsenic	101	101	85 - 115	0	20		
Barium	101	99	85 - 115	2	20		
Beryllium	98	97	85 - 115	2	20		
Cadmium	101	100	85 - 115	1	20		
Cobalt	102	100	85 - 115	2	20		
Chromium	100	99	85 - 115	2	20		
Copper	101	99	85 - 115	2	20		
Iron	103	100	85 - 115	2	20		
Nickel	105	104	85 - 115	1	20		
Antimony	95	95	85 - 115	1	20		
Lead	102	101	85 - 115	1	20		
Selenium	103	101	85 - 115	1	20		
Vanadium	101	99	85 - 115	2	20		
Zinc	111	109	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9974

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-2958-G-1-C MS*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9974	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1502		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0913		

MSD Lab Sample ID:	660-2958-G-1-D MSD*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9974	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1519		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 0913		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	102	101	85 - 115	1	20		
Arsenic	106	106	85 - 115	0	20		
Barium	99	98	85 - 115	1	20		
Beryllium	99	97	85 - 115	2	20		
Cadmium	101	101	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	99	98	85 - 115	1	20		
Copper	102	101	85 - 115	1	20		
Iron	101	101	85 - 115	0	20		
Nickel	105	107	85 - 115	1	20		
Antimony	99	99	85 - 115	0	20		
Lead	103	103	85 - 115	0	20		
Selenium	108	107	85 - 115	1	20		
Vanadium	101	100	85 - 115	1	20		
Zinc	113	113	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 680-17337

Method: 200.8
Preparation: 4.1.4
Total Recoverable

Lab Sample ID: MB 680-17337/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2005 2109
Date Prepared: 07/28/2005 0942

Analysis Batch: 680-17544
Prep Batch: 680-17337
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-17337

Method: 200.8
Preparation: 4.1.4
Total Recoverable

LCS Lab Sample ID: LCS 680-17337/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2005 2116
Date Prepared: 07/28/2005 0942

Analysis Batch: 680-17544
Prep Batch: 680-17337
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 680-17337/6-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2005 2123
Date Prepared: 07/28/2005 0942

Analysis Batch: 680-17544
Prep Batch: 680-17337
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	90	87	85 - 115	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-17337

Method: 200.8
Preparation: 4.1.4
Total Recoverable

MS Lab Sample ID:	680-6319-A-5-B MS*R	Analysis Batch: 680-17544	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-17337	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/28/2005 2151		Final Weight/Volume: 250 mL
Date Prepared:	07/28/2005 0942		

MSD Lab Sample ID:	680-6319-A-5-C MSD*R	Analysis Batch: 680-17544	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-17337	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/28/2005 2158		Final Weight/Volume: 250 mL
Date Prepared:	07/28/2005 0942		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Thallium	90	88	75 - 125	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-9990

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-9990/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1814
Date Prepared: 07/12/2005 1210

Analysis Batch: 660-10032
Prep Batch: 660-9990
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9990

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 660-9990/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1816
Date Prepared: 07/12/2005 1210

Analysis Batch: 660-10032
Prep Batch: 660-9990
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9990/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1818
Date Prepared: 07/12/2005 1210

Analysis Batch: 660-10032
Prep Batch: 660-9990
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	99	104	80 - 120	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9990

Method: 245.1
Preparation: 245.1

MS Lab Sample ID:	660-2958-I-1-B MS	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch: 660-9990	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1823		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 1210		

MSD Lab Sample ID:	660-2958-I-1-C MSD	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch: 660-9990	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1825		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 1210		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	104	102	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10324

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-10324/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10324
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10324

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10324/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10324
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-10324/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10324
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	98	99	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10324

Method: 160.1
Preparation: N/A

MS Lab Sample ID:	660-3044-A-1 MS	Analysis Batch: 660-10324	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/14/2005 1300		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3044-A-1 MSD	Analysis Batch: 660-10324	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/14/2005 1300		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Dissolved Solids	98	98	80 - 120	0	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10209

Method: 160.2
Preparation: N/A

Lab Sample ID: MB 660-10209/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1341
Date Prepared: N/A

Analysis Batch: 660-10209
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL	PQL
Total Suspended Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10209

Method: 160.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-10209/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1341
Date Prepared: N/A

Analysis Batch: 660-10209
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 660-10209/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1341
Date Prepared: N/A

Analysis Batch: 660-10209
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	91	92	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10210

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-10210/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1256
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10210/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1258
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10210/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	99	93	85 - 115	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-3023-C-1 MS	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1303		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3023-C-1 MSD	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1305		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	108	117	85 - 115	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10371

Method: 351.2
Preparation: 351.2

Lab Sample ID: MB 660-10371/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 1948
Date Prepared: 07/16/2005 1948

Analysis Batch: 660-10374
Prep Batch: 660-10371
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Nitrogen, Kjeldahl	0.12	U	0.12	0.50

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10371

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID: LCS 660-10371/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 1948
Date Prepared: 07/16/2005 1948

Analysis Batch: 660-10374
Prep Batch: 660-10371
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 660-10371/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 1948
Date Prepared: 07/16/2005 1948

Analysis Batch: 660-10374
Prep Batch: 660-10371
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	97	101	90 - 110	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10144

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-10144/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2005 1229
Date Prepared: N/A

Analysis Batch: 660-10144
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrite Nitrogen	0.010	U	0.010	0.050
Nitrate Nitrogen	0.010	U	0.010	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10144

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-10144/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2005 1229
Date Prepared: N/A

Analysis Batch: 660-10144
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 660-10144/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2005 1229
Date Prepared: N/A

Analysis Batch: 660-10144
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrite Nitrogen	98	101	80 - 120	3	30		
Nitrate Nitrogen	101	96	80 - 120	5	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10438

Method: 365.4
Preparation: 365.2/365.3

Lab Sample ID: MB 660-10438/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 2000
Date Prepared: 07/16/2005 1900

Analysis Batch: 660-10439
Prep Batch: 660-10438
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Phosphorus, Total	0.017	U	0.017	0.10

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10438

Method: 365.4
Preparation: 365.2/365.3

LCS Lab Sample ID: LCS 660-10438/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 2000
Date Prepared: 07/16/2005 1900

Analysis Batch: 660-10439
Prep Batch: 660-10438
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 660-10438/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2005 2000
Date Prepared: 07/16/2005 1900

Analysis Batch: 660-10439
Prep Batch: 660-10438
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phosphorus, Total	90	99	90 - 110	10	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10438

Method: 365.4
Preparation: 365.2/365.3

MS Lab Sample ID:	660-3015-A-1-C MS	Analysis Batch: 660-10439	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: 660-10438	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 25 mL
Date Analyzed:	07/16/2005 2000		Final Weight/Volume: 25 mL
Date Prepared:	07/16/2005 1900		

MSD Lab Sample ID:	660-3015-A-1-D MSD	Analysis Batch: 660-10439	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: 660-10438	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 25 mL
Date Analyzed:	07/16/2005 2000		Final Weight/Volume: 25 mL
Date Prepared:	07/16/2005 1900		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phosphorus, Total	102	96	90 - 110	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10185

Method: 405.1
Preparation: N/A

Lab Sample ID: USB 660-10185/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2005 1200
Date Prepared: N/A

Analysis Batch: 660-10185
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 300 mL
Final Weight/Volume: 300 mL

Analyte	Result	Qual	RL	PQL
Biochemical Oxygen Demand	2.0	U	2.0	2.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10185

Method: 405.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10185/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2005 1200
Date Prepared: N/A

Analysis Batch: 660-10185
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 300 mL
Final Weight/Volume: 300 mL

LCSD Lab Sample ID: LCSD 660-10185/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2005 1200
Date Prepared: N/A

Analysis Batch: 660-10185
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 300 mL
Final Weight/Volume: 300 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	89	92	85 - 115	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10348

Method: 415.1
Preparation: N/A

Lab Sample ID: MB 660-10348/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1800
Date Prepared: N/A

Analysis Batch: 660-10348
Prep Batch: N/A
Units: mg/L

Instrument ID: OI Analytical TOC Analyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	PQL
Total Organic Carbon	0.53	U	0.53	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10348

Method: 415.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10348/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1800
Date Prepared: N/A

Analysis Batch: 660-10348
Prep Batch: N/A
Units: mg/L

Instrument ID: OI Analytical TOC Analyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 660-10348/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 1800
Date Prepared: N/A

Analysis Batch: 660-10348
Prep Batch: N/A
Units: mg/L

Instrument ID: OI Analytical TOC Analyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	103	104	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10348

Method: 415.1
Preparation: N/A

MS Lab Sample ID:	660-3088-C-1 MS	Analysis Batch: 660-10348	Instrument ID: OI Analytical TOC Analyz
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1800		Final Weight/Volume: 40 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3088-C-1 MSD	Analysis Batch: 660-10348	Instrument ID: OI Analytical TOC Analyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1800		Final Weight/Volume: 40 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	108	107	80 - 120	0	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3061-1

Method Blank - Batch: 660-10423

Method: 5220C
Preparation: N/A

Lab Sample ID: MB 660-10423/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 2200
Date Prepared: N/A

Analysis Batch: 660-10423
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 2.5 mL
Final Weight/Volume: 2.5 mL

Analyte	Result	Qual	RL	PQL
Chemical Oxygen Demand	20	U	20	20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10423

Method: 5220C
Preparation: N/A

LCS Lab Sample ID: LCS 660-10423/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 2200
Date Prepared: N/A

Analysis Batch: 660-10423
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 2.5 mL
Final Weight/Volume: 2.5 mL

LCSD Lab Sample ID: LCSD 660-10423/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 2200
Date Prepared: N/A

Analysis Batch: 660-10423
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 2.5 mL
Final Weight/Volume: 2.5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	103	103	80 - 120	0	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3061-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10423

Method: 5220C
Preparation: N/A

MS Lab Sample ID:	660-3061-1	Analysis Batch: 660-10423	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 2.5 mL
Date Analyzed:	07/14/2005 2200		Final Weight/Volume: 2.5 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3061-1	Analysis Batch: 660-10423	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 2.5 mL
Date Analyzed:	07/14/2005 2200		Final Weight/Volume: 2.5 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	99	99	80 - 120	0	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 24206

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

3061

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: CITY OF JACKSONVILLE	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY: X
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX	DATE DUE
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL		EXPEDITED REPORT DELIVERY (SURCHARGE): O
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT,...)

REQUIRED ANALYSIS — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	NO3, TDS, TSS (NONE)	LOD, TN, T-P, NH3, NH3 (1L) (H2SO4)	BOD (NONE)	APP I Metals T-HARD +Cu, Fe, Hg, Zn (HNO3)	TOC (H2SO4)	8260 APP I (HCl)	EDB (HCl)	THALLIUM (NONE)			REMARKS
7-8	0950	SW-1	G	X				1	1	1	1	1	3	3	1			
7-8	0900	SW-2	G	X				1	1	1	1	1	3	3	1			
7-8	—	TRIP	G	X									3	3				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature] EMPTY CONTAINERS	7/6/05	1600	[signature]	7-6-05	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY 4

RECEIVED FOR LABORATORY BY:	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
[signature]	7-9-05	1000	YES X NO O	N/S	660-3061	

STL8240-660 (12/02)

SEVERN TRENT STL

Advanced
Environmental Laboratories, Inc.

6601 Southpoint Parkway
Jacksonville, Florida 32216
(904) 363-9350
FAX (904) 363-9354

Client:	STL Tampa	**Report No.:**	J054541
Project Name:	TRAILRIDGE	**Date Sampled:**	7/8/05
Project Number:		**Date Received:**	7/8/05 10:30
		Date Reported:	7/19/05

Attention: Becky McCaughey
Phone Number: 8138857427

Address: 6712 Benjamin Rd Ste 100

Tampa, FL 33634

Project Description

The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody.

Project Name: TRAILRIDGE

Approved By: ✓ Paul Gunsaulles 2005.07.19 15:43:39 -04'00'

Paul Gunsaulles, Project Manager

If there are any questions involving this report, the above named should be contacted.

THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY.

Advanced Environmental Laboratories certifies that the test results in this report meet all requirements of the NELAC standards, unless notated otherwise in the body of the report.

Total Number of Pages = 4 + 3 COC

SEVERN TRENT STL

Advanced Environmental Laboratories, Inc.

Analytical Report

Client: STL Tampa
Project Name: TRAILRIDGE

Report No.: J054541
Date/Time Received: 7/8/05 10:30

Lab Code: J054541-01
Client Sample ID: 1
Site: SW-1
Matrix: Water

Date/Time Sampled: 7/8/05 09:50
Shipping Method: Client drop off
Sampled By: Client
Sampling Method: G

Miscellaneous Analytes

Analytes:	Dilution	Adjusted MDL	Adjusted PQL	Results	Units	Qualifier(s)	Method	Parameter Comment	Lab
Chlorophyll A	1	1.0	1.0	4.7	mg/m3		SM10200H		T
Fecal Coliform (MF)	1	1.0	1.0	20.	cfu/100ml		SM9222D		J

J DOH certification #E82574 (AEL-JAX) (FL NELAC certification)
T DOH certification #E84589 (AEL-Tampa) (FL NELAC Certification)

Lab Code: J054541-02
Client Sample ID: 2
Site: SW-2
Matrix: Water

Date/Time Sampled: 7/8/05 09:00
Shipping Method: Client drop off
Sampled By: Client
Sampling Method: G

Miscellaneous Analytes

Analytes:	Dilution	Adjusted MDL	Adjusted PQL	Results	Units	Qualifier(s)	Method	Parameter Comment	Lab
Chlorophyll A	1	1.0	1.0	1.0	mg/m3	U	SM10200H		T
Fecal Coliform (MF)	1	1.0	1.0	40.	cfu/100ml		SM9222D		J

U The compound was analyzed for but not detected.
J DOH certification #E82574 (AEL-JAX) (FL NELAC certification)
T DOH certification #E84589 (AEL-Tampa) (FL NELAC Certification)

SEVERN TRENT STL

Advanced Environmental Laboratories, Inc.

Analytical Report

Client: STL Tampa
Project Name: TRAILRIDGE

Report No.: J054541
Date/Time Received: 7/8/05 10:30

Sample Cross Reference Information

Lab Code: J054541-01
Client Sample Number: 1

Site: SW-1
Matrix: Water

Test Description	Analysis Method	Prep Method	Analytical Batch ID	Analysis Date/Time		Analyst	Prep Batch ID	Prep Date/Time
Chlorophyll A	SM10200H	NONE	wet071505ch	7/15/05	13:00	BIB		
Fecal Coliform (MF)	SM9222D	NONE	MIC-070805-F	7/8/05	11:35	AJL		

If the Analytical Batch ID and Prep Batch IDis null, the analysis was not performed by AEL, and the original report from the subcontracted laboratory will be provided containing this information.

Lab Code: J054541-02
Client Sample Number: 2

Site: SW-2
Matrix: Water

Test Description	Analysis Method	Prep Method	Analytical Batch ID	Analysis Date/Time		Analyst	Prep Batch ID	Prep Date/Time
Chlorophyll A	SM10200H	NONE	wet071505ch	7/15/05	13:00	BIB		
Fecal Coliform (MF)	SM9222D	NONE	MIC-070805-F	7/8/05	11:35	AJL		

If the Analytical Batch ID and Prep Batch IDis null, the analysis was not performed by AEL, and the original report from the subcontracted laboratory will be provided containing this information.

SEVERN TRENT STL

Advanced Environmental Laboratories, Inc.

Analytical Report

Client: STL Tampa
Project Name: TRAILRIDGE

Report No.: J054541
Date/Time Received: 7/8/05 10:30

Quality Assurance Report

Method Blanks

Miscellaneous Analytes

QCBatchID	Analyte	QC Sample Type	Method	MDL	Result	Units	Qualifier
MIC-070805-F	Fecal Coliform (MF)	Pre Filter	SM9222D	1.0	1.0	cfu/100ml	U
MIC-070805-F	Fecal Coliform (MF)	Post Filter	SM9222D	1.0	1.0	cfu/100ml	U

Miscellaneous Analytes

QCBatchID	Analyte	QC Sample Type	Method	MDL	Result	Units	Qualifier
wet071505ch	Chlorophyll A	Method Blank	SM10200H	1.0	1.0	mg/m3	U

Quality Assurance Qualifiers:

U The compound was analyzed for but not detected.

Definitions:

Water matrix refers to all aqueous matrices except drinking water, including but not limited to, wastewater, ground water, surface water, aqueous wastes and leach
Soil matrix refers to all non-aqueous matrices, including soils, solids, sludges, semi-solids, and non-aqueous waste samples
All results in mg/kg or % are reported in dry weight basis, unless notated otherwise. All results in mg/L are reported in wet weight basis.
MDL Method Detection Limit, without correction for dilution or moisture content
Adjusted Reporting Limit is the MDL accounting for all dilutions and moisture content caclulations.
PQL is defined to be 4 times the MDL, for all results qualified with a 'I' qualifier.
Sampling Method; G=Grab, P=Pump, C=Composite

The estimated measurements of uncertainty can be provided upon request

This is the last page of the analytical report.

SEVERN STL
Advanced Environmental Labs Inc

Advanced Environmental
6601 Southpoint Parkway
Jacksonville, FL 32216

Client: STL-Tampa
Project name: City of Jax-Trailridge
Date/Time Rcvd: 7/8/05 1030
Log-In request number: J054541
Received by: DS
Completed by: DS

Cooler/Shipping Information:

Courier: ☐ AEL ☒ Client ☐ UPS ☐ Pony Express ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☒ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	—				
Temp taken from	☐ Sample Bottle ☒ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☒ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):	☐ IR gun ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			✓
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials checked for the presence of air bubbles?			✓
11. Were there air bubbles present in the VOA vials?			✓
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Were the sample containers provided by AEL?	✓		
15. Were samples accepted into the laboratory?	✓		
16. Was it necessary to split samples into other bottles?		✓	

Comments:

Chain-of-Custody for AEL Jax to AEL Tampa

AEL Jax
6601 Southpoint Parkway
Jacksonville, FL 32216
904-363-9350 Fax 904-363-9354
Contact Person: Sean Hyde

AEL Tampa
9610 Princess Palm Avenue
Tampa, FL 33619
813-630-9616 Fax 813-630-4327
Contact Person: Michael Cammarata

Project #: J054541
CustomerName: STL Tampa
Collector: Client

Department: Wetchem (Tampa)

☐ **Check if Rush**

Lab Code	Client Sample ID	Test	Matrix	Collect Date	/ Time	Receive Date	Due Date	# Bottles	Bottle Type (Pres.)
J054541-01	1	Chlorophyll A (J)	Water	07/08/2005	09:50	7/8/05 10:30	07/15/2005		1L Amber Glass
J054541-02	2	Chlorophyll A (J)	Water	07/08/2005	09:00	7/8/05 10:30	07/15/2005		1L Amber Glass

Jacksonville Relinquisher: D. Satterfield

Shipping Relinquisher:

Shipping Receiver: A Courier ~~Pony Express~~

Tampa Receiver: K. Mabelle

Date/Time: 07/11/2005 16:31:23

Date/Time: 7/14/05 8.30

SEVERN TRENT STL

Chain of Custody Record

SEVERN TRENT **ST** Severn Trent Laborat

J054541

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
STL-TAMPA	AL BURSON	7-8-05	326727
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 1 of 1
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
CITY OF JAX - TRAIL RIDGE			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAct/NaOH	$Na_2S_2O_3$	Analysis: Chlorophyll-a	Fecal Coliform	Special Instructions/ Conditions of Receipt
SW-1	7-8	950		X			1						1	1	1	
SW-2	7-8	900		X			1						1	1	1	

Page 58 of 58

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7-8-05	1030	1. Received By D Satter AEL	7/8/05	1030
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Serial Number 24206

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

3061

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL	
CLIENT ADDRESS: 5710 HWY 301 BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	MATRIX TYPE: SOLID OR SEMISOLID	MATRIX TYPE: AIR	MATRIX TYPE: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: NO3, TOS, TSS	REQUIRED ANALYSIS: COD, TKN, T-P, NH3, NH3(LC)	REQUIRED ANALYSIS: BOD	REQUIRED ANALYSIS: APP I Metals T=HARD +Ca, Fe, Mg, Zn	REQUIRED ANALYSIS: TOC	REQUIRED ANALYSIS: 8260 APP I	REQUIRED ANALYSIS: EDB	REQUIRED ANALYSIS: THALLIUM	REMARKS
								NONE	H2SO4	NONE	HNO3	H2SO4	HCl	HCl	HNO3	
								NUMBER OF CONTAINERS SUBMITTED								
7-8	0950	SW-1	G	X				1	1	1	1	1	3	3	1	
7-8	0900	SW-2	G	X				1	1	1	1	1	3	3	1	
7-8	—	TRIP	G	X									3	3		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	7/8/05	1600		7-8-05	1900			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ⊗ NO ○	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	7-9-05	1000		N/S	660-3061	

660 (12/02)

Appendix F

FDEP Semi-Annual Leachate Parameter Monitoring Report Forms

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMLC

Description: Semiannual Leachate (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 17333

WACS Testsite Name: LDSS

Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 12:55:00PM

Sampling Method: Unknown

Permitted Well Type: SO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
032101	Bromodichloromethane	N	E84282	8260B	7/18/2005 5:36:00PM	3.5	3.5	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/18/2005 5:36:00PM	5.8	5.8	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/18/2005 5:36:00PM	12	12	ug/L	U
081552	Acetone	N	E84282	8260B	7/18/2005 5:36:00PM	5000	99	ug/L	
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/18/2005 5:36:00PM	64	38	ug/L	I
077103	2-Hexanone	N	E84282	8260B	7/18/2005 5:36:00PM	44	44	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/18/2005 5:36:00PM	12	5.2	ug/L	
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 8:23:00AM	0.0092	0.0092	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/18/2005 5:36:00PM	5.7	5.7	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/18/2005 5:36:00PM	8.5	8.5	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/18/2005 5:36:00PM	1.5	1.5	ug/L	U
032106	Chloroform	N	E84282	8260B	7/18/2005 5:36:00PM	9	9	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/18/2005 5:36:00PM	5.2	5.2	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/18/2005 5:36:00PM	4.7	4.7	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/18/2005 5:36:00PM	1.4	1.4	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/18/2005 5:36:00PM	4.6	4.6	ug/L	U
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	9.5	9.5	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/18/2005 5:36:00PM	5.2	5.2	ug/L	U
001059	Thallium	N	E87052	200.8	7/17/2005 1:31:00PM	0.63	0.25	ug/L	I
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	30	30	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	480	8.5	ug/L	
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	140	8	ug/L	
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	4400	25	ug/L	
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	1100000	110	ug/L	
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	360	24	ug/L	
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/18/2005 5:36:00PM	1.4	1.4	ug/L	U
032104	Bromoform	N	E84282	8260B	7/18/2005 5:36:00PM	5.8	5.8	ug/L	U
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	1500	30	ug/L	
034413	Bromomethane	N	E84282	8260B	7/18/2005 5:36:00PM	6.6	6.6	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:47:00PM	14	0.72	ug/L	
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	790	8	ug/L	
078124	Benzene	N	E84282	8260B	7/18/2005 5:36:00PM	2.7	2.7	ug/L	I
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	3.6	3.6	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/18/2005 5:36:00PM	4.5	4.5	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/18/2005 5:36:00PM	4.2	4.2	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 8:23:00AM	0.0032	0.0032	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	980	1.6	mg/L	
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/18/2005 5:36:00PM	4900	84	ug/L	
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/18/2005 5:36:00PM	25	25	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/18/2005 5:36:00PM	6.3	6.3	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/18/2005 5:36:00PM	4.4	4.4	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/18/2005 5:36:00PM	8	8	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/18/2005 5:36:00PM	3.4	3.4	ug/L	U
077128	Styrene	N	E84282	8260B	7/18/2005 5:36:00PM	9.8	9.8	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 17333

WACS Testsite Name: LDSS

Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 12:55:00PM

Sampling Method: Unknown

Permitted Well Type: SO

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/18/2005 5:36:00PM	6.3	6.3	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/18/2005 5:36:00PM	4.1	4.1	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/18/2005 5:36:00PM	15	15	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/18/2005 5:36:00PM	6.7	6.7	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/18/2005 5:36:00PM	29	4.4	ug/L	
032105	Dibromochloromethane	N	E84282	8260B	7/18/2005 5:36:00PM	3.4	3.4	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/18/2005 5:36:00PM	1.4	1.4	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/18/2005 5:36:00PM	6.5	6.5	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/18/2005 5:36:00PM	6.4	6.4	ug/L	U
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	3.7	3.7	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/18/2005 5:36:00PM	40	40	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	160	18	ug/L	
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 12:55:00PM	1100		NTU	
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 12:55:00PM	7582		umhos/cm	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 12:55:00PM	0		mg/L	
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 12:55:00PM	33.4		Degrees C	
000406	Field pH	N	E84282	Field Sampling	7/7/2005 12:55:00PM	7.17		SU	
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/18/2005 5:36:00PM	4.4	4.4	ug/L	U
034010	Toluene	N	E84282	8260B	7/18/2005 5:36:00PM	26	5.1	ug/L	
039180	Trichloroethene	N	E84282	8260B	7/18/2005 5:36:00PM	2.8	2.8	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	460	24	ug/L	
034488	Trichlorofluoromethane	N	E84282	8260B	7/18/2005 5:36:00PM	9.8	9.8	ug/L	U
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 1:01:00PM	0.1	0.1	mg/L	U
000610	Ammonia	N	E84282	350.1	7/14/2005 3:13:00PM	1500	0.04	mg/L	
000940	Chloride	N	E84282	325.2	7/14/2005 4:29:00PM	1100	0.9	mg/L	
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 10:10:00AM	3300	5	mg/L	
081551	Xylenes, Total	N	E84282	8260B	7/18/2005 5:36:00PM	83	9	ug/L	
039175	Vinyl chloride	N	E84282	8260B	7/18/2005 5:36:00PM	5	5	ug/L	U
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	320	13	ug/L	
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 11:58:00AM	3400	6	ug/L	

Total Parameters Monitored: 74

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMLC

Description: Semiannual Leachate (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20098

WACS Testsite Name: LCS

Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 1:10:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001067	Nickel	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	78	9.4	ug/L	I
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/18/2005 5:17:00PM	9.2	9.2	ug/L	U
001051	Lead	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	3.2	3.2	ug/L	U
001002	Arsenic	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	49	9.6	ug/L	
001007	Barium	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	170	2.4	ug/L	
001012	Beryllium	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	1.5	1.5	ug/L	U
001027	Cadmium	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	1.4	1.4	ug/L	U
071900	Mercury	N	E84282	245.1	7/12/2005 4:49:00PM	0.072	0.072	ug/L	U
001037	Cobalt	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	16	3.2	ug/L	I
034531	1,2-Dichloroethane	N	E84282	8260B	7/18/2005 5:17:00PM	11	11	ug/L	U
001045	Iron	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	18000	44	ug/L	
000610	Ammonia	N	E84282	350.1	7/14/2005 3:14:00PM	1200	0.04	mg/L	
001147	Selenium	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	12	12	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	880	0.62	mg/L	
001087	Vanadium	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	23	5	ug/L	
001092	Zinc	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	17	12	ug/L	I
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 8:44:00AM	0.0089	0.0089	ug/L	U
001034	Chromium	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	42	3.4	ug/L	
032106	Chloroform	N	E84282	8260B	7/18/2005 5:17:00PM	18	18	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/18/2005 5:17:00PM	13	13	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 8:44:00AM	0.0031	0.0031	ug/L	U
000094	Specific Conductance	N	E84282	Field Sampling	7/7/2005 1:10:00PM	7017		umhos/cm	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	7/7/2005 1:10:00PM	0		mg/L	
034371	Ethylbenzene	N	E84282	8260B	7/18/2005 5:17:00PM	31	8.8	ug/L	
001077	Silver	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	3.8	3.8	ug/L	U
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/18/2005 5:17:00PM	2.8	2.8	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/18/2005 5:17:00PM	12	10	ug/L	I
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/18/2005 5:17:00PM	9.4	9.4	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/18/2005 5:17:00PM	10	10	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/18/2005 5:17:00PM	2.8	2.8	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/18/2005 5:17:00PM	88	88	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/18/2005 5:17:00PM	10	10	ug/L	U
034501	1,1-Dichloroethene	N	E84282	8260B	7/18/2005 5:17:00PM	9	9	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/18/2005 5:17:00PM	3	3	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/18/2005 5:17:00PM	8.8	8.8	ug/L	U
000406	Field pH	N	E84282	Field Sampling	7/7/2005 1:10:00PM	6.99		SU	
000010	Field Temperature	N	E84282	Field Sampling	7/7/2005 1:10:00PM	34		Degrees C	
000620	Nitrate Nitrogen	N	E84282	353.2	7/8/2005 1:01:00PM	0.1	0.1	mg/L	U
034215	Acrylonitrile	N	E84282	8260B	7/18/2005 5:17:00PM	24	24	ug/L	U
078124	Benzene	N	E84282	8260B	7/18/2005 5:17:00PM	8.4	5.4	ug/L	I
034475	Tetrachloroethene	N	E84282	8260B	7/18/2005 5:17:00PM	6.8	6.8	ug/L	U
034010	Toluene	N	E84282	8260B	7/18/2005 5:17:00PM	29	10	ug/L	
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/18/2005 5:17:00PM	8.8	8.8	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/18/2005 5:17:00PM	12	12	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 20098

WACS Testsite Name: LCS

Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 1:10:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
001059	Thallium	N	E87052	200.8	7/17/2005 1:38:00PM	0.25	0.25	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/18/2005 5:17:00PM	50	50	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/18/2005 5:17:00PM	80	80	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/18/2005 5:17:00PM	20	20	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/18/2005 5:17:00PM	30	30	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/18/2005 5:17:00PM	10	10	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/18/2005 5:17:00PM	71	18	ug/L	
070300	Total Dissolved Solids	N	E84282	160.1	7/11/2005 10:10:00AM	3100	5	mg/L	
000940	Chloride	N	E84282	325.2	7/14/2005 4:30:00PM	880	0.9	mg/L	
077424	Iodomethane	N	E84282	8260B	7/18/2005 5:17:00PM	13	13	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	17	7.2	ug/L	
034301	Chlorobenzene	N	E84282	8260B	7/18/2005 5:17:00PM	13	13	ug/L	U
001042	Copper	N	E84282	200.7 Rev 4.4	7/13/2005 12:31:00PM	23	10	ug/L	I
039180	Trichloroethene	N	E84282	8260B	7/18/2005 5:17:00PM	5.6	5.6	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	7/7/2005 1:10:00PM	9.8		NTU	
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/18/2005 5:17:00PM	76	76	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/18/2005 5:17:00PM	4100	170	ug/L	
032105	Dibromochloromethane	N	E84282	8260B	7/18/2005 5:17:00PM	6.8	6.8	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/18/2005 5:17:00PM	8.2	8.2	ug/L	U
032104	Bromoform	N	E84282	8260B	7/18/2005 5:17:00PM	12	12	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/18/2005 5:17:00PM	16	16	ug/L	U
077128	Styrene	N	E84282	8260B	7/18/2005 5:17:00PM	20	20	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/18/2005 5:17:00PM	8.4	8.4	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/18/2005 5:17:00PM	7	7	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/18/2005 5:17:00PM	17	17	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/18/2005 5:17:00PM	2.8	2.8	ug/L	U
081552	Acetone	N	E84282	8260B	7/18/2005 5:17:00PM	3900	200	ug/L	
034413	Bromomethane	N	E84282	8260B	7/18/2005 5:17:00PM	13	13	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/18/2005 5:17:00PM	13	13	ug/L	U
034418	Chloromethane	N	E84282	8260B	7/18/2005 5:17:00PM	13	13	ug/L	U

Total Parameters Monitored: 74

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMLC
Description: Semiannual Leachate (2 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 0
WACS Testsite Name: TRIP BLANK 8260
Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

Sample Date/Time: 7/7/2005 12:55:00PM
Sampling Method: Unknown
Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

* Well Purged prior to Sample Collection? (Y/N): N

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034516	1,1,2,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.14	0.14	ug/L	U
077596	Methylene bromide	N	E84282	8260B	7/14/2005 2:15:00PM	0.41	0.41	ug/L	U
077057	Vinyl acetate	N	E84282	8260B	7/14/2005 2:15:00PM	1.5	1.5	ug/L	U
039175	Vinyl chloride	N	E84282	8260B	7/14/2005 2:15:00PM	0.5	0.5	ug/L	U
081551	Xylenes, Total	N	E84282	8260B	7/14/2005 2:15:00PM	0.9	0.9	ug/L	U
077424	Iodomethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.67	0.67	ug/L	U
077562	1,1,1,2-Tetrachloroethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.63	0.63	ug/L	U
073085	Bromochloromethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.58	0.58	ug/L	U
034475	Tetrachloroethene	N	E84282	8260B	7/14/2005 2:15:00PM	0.34	0.34	ug/L	U
034531	1,2-Dichloroethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.57	0.57	ug/L	U
039180	Trichloroethene	N	E84282	8260B	7/14/2005 2:15:00PM	0.28	0.28	ug/L	U
081552	Acetone	N	E84282	8260B	7/14/2005 2:15:00PM	9.9	9.9	ug/L	U
049263	trans-1,4-Dichloro-2-butene	N	E84282	8260B	7/14/2005 2:15:00PM	2.5	2.5	ug/L	U
077103	2-Hexanone	N	E84282	8260B	7/14/2005 2:15:00PM	4.4	4.4	ug/L	U
034571	1,4-Dichlorobenzene	N	E84282	8260B	7/14/2005 2:15:00PM	0.52	0.52	ug/L	U
078124	Benzene	N	E84282	8260B	7/14/2005 2:15:00PM	0.27	0.27	ug/L	U
034541	1,2-Dichloropropane	N	E84282	8260B	7/14/2005 2:15:00PM	0.52	0.52	ug/L	U
081596	4-Methyl-2-pentanone	N	E84282	8260B	7/14/2005 2:15:00PM	3.8	3.8	ug/L	U
034536	1,2-Dichlorobenzene	N	E84282	8260B	7/14/2005 2:15:00PM	0.44	0.44	ug/L	U
077443	1,2,3-Trichloropropane	N	E84282	8260B	7/14/2005 2:15:00PM	0.15	0.15	ug/L	U
034501	1,1-Dichloroethylene	N	E84282	8260B	7/14/2005 2:15:00PM	0.45	0.45	ug/L	U
034496	1,1-Dichloroethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.52	0.52	ug/L	U
034215	Acrylonitrile	N	E84282	8260B	7/14/2005 2:15:00PM	1.2	1.2	ug/L	U
034704	cis-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 2:15:00PM	0.14	0.14	ug/L	U
034506	1,1,1-Trichloroethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.46	0.46	ug/L	U
032104	Bromoform	N	E84282	8260B	7/14/2005 2:15:00PM	0.58	0.58	ug/L	U
034511	1,1,2-Trichloroethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.47	0.47	ug/L	U
034413	Bromomethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.66	0.66	ug/L	U
077041	Carbon disulfide	N	E84282	8260B	7/14/2005 2:15:00PM	0.85	0.85	ug/L	U
032102	Carbon tetrachloride	N	E84282	8260B	7/14/2005 2:15:00PM	0.42	0.42	ug/L	U
034301	Chlorobenzene	N	E84282	8260B	7/14/2005 2:15:00PM	0.63	0.63	ug/L	U
034311	Chloroethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.8	0.8	ug/L	U
032106	Chloroform	N	E84282	8260B	7/14/2005 2:15:00PM	0.9	0.9	ug/L	U
034488	Trichlorofluoromethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.98	0.98	ug/L	U
077093	cis-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 2:15:00PM	0.65	0.65	ug/L	U
032105	Dibromochloromethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.34	0.34	ug/L	U
034371	Ethylbenzene	N	E84282	8260B	7/14/2005 2:15:00PM	0.44	0.44	ug/L	U
032101	Bromodichloromethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.35	0.35	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	7/14/2005 2:15:00PM	8.4	8.4	ug/L	U
034423	Methylene Chloride	N	E84282	8260B	7/14/2005 2:15:00PM	4	4	ug/L	U
077128	Styrene	N	E84282	8260B	7/14/2005 2:15:00PM	0.98	0.98	ug/L	U
034010	Toluene	N	E84282	8260B	7/14/2005 2:15:00PM	0.51	0.51	ug/L	U
034546	trans-1,2-Dichloroethene	N	E84282	8260B	7/14/2005 2:15:00PM	0.44	0.44	ug/L	U
034699	trans-1,3-Dichloropropene	N	E84282	8260B	7/14/2005 2:15:00PM	0.14	0.14	ug/L	U

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: TRIP BLANK 8260

Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

Sample Date/Time: 7/7/2005 12:55:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
034418	Chloromethane	N	E84282	8260B	7/14/2005 2:15:00PM	0.64	0.64	ug/L	U

Total Parameters Monitored: 45

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMLC
Description: Semiannual Leachate (1 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 0
WACS Testsite Name: TRIP BLANK EDB
Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

Sample Date/Time: 7/7/2005 12:55:00PM
Sampling Method: Unknown
Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

* Well Purged prior to Sample Collection? (Y/N): N

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
077651	Ethylene Dibromide	N	E84282	504.1	7/15/2005 9:05:00AM	0.0093	0.0093	ug/L	U
038437	1,2-Dibromo-3-Chloropropane	N	E84282	504.1	7/15/2005 9:05:00AM	0.0032	0.0032	ug/L	U

Total Parameters Monitored: 2

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: TRAIL RIDGE LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMLC

Description: Semiannual Leachate (2 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: COND

Water Classification: LC
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 7/7/2005 1:30:00PM

Sampling Method: Unknown

Permitted Well Type: OT

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
039400	Toxaphene	N	E84282	8081A	7/21/2005 5:52:00AM	19	19	ug/L	U
039480	Methoxychlor	N	E84282	8081A	7/21/2005 5:52:00AM	0.44	0.44	ug/L	U
000299	Oxygen, Dissolved	N	E84282	360.1_F	7/7/2005 1:30:00PM	1.3		mg/L	
000094	Specific Conductance	N	E84282	120.1_F	7/7/2005 1:30:00PM	2260		umhos/cm	
082079	Turbidity	N	E84282	180.1_F	7/7/2005 1:30:00PM	9.2		NTU	
039350	Chlordane (technical)	N	E84282	8081A	7/21/2005 5:52:00AM	3.4	3.4	ug/L	U
039390	Endrin	N	E84282	8081A	7/21/2005 5:52:00AM	0.61	0.61	ug/L	U
039340	gamma-BHC (Lindane)	N	E84282	8081A	7/21/2005 5:52:00AM	0.21	0.21	ug/L	U
039410	Heptachlor	N	E84282	8081A	7/21/2005 5:52:00AM	0.36	0.36	ug/L	U
039730	2,4-D	N	E84282	8151A	7/22/2005 12:17:00AM	7.5	7.5	ug/L	U
034447	Nitrobenzene	N	E84282	8270C	7/21/2005 11:40:00PM	31	31	ug/L	U
081595	Methyl Ethyl Ketone	N	E87052	8260B	7/14/2005 5:15:00PM	5900	0.035	ug/L	
977148	m & p Cresol	N	E84282	8270C	7/21/2005 11:40:00PM	860	31	ug/L	
039760	Silvex (2,4,5-TP)	N	E84282	8151A	7/22/2005 12:17:00AM	1.6	1.6	ug/L	
034571	1,4-Dichlorobenzene	N	E84282	8270C	7/21/2005 11:40:00PM	27	27	ug/L	
077687	2,4,5-Trichlorophenol	N	E84282	8270C	7/21/2005 11:40:00PM	34	34	ug/L	U
034621	2,4,6-Trichlorophenol	N	E84282	8270C	7/21/2005 11:40:00PM	24	24	ug/L	U
034611	2,4-Dinitrotoluene	N	E84282	8270C	7/21/2005 11:40:00PM	27	27	ug/L	U
039700	Hexachlorobenzene	N	E84282	8270C	7/21/2005 11:40:00PM	24	24	ug/L	U
034391	Hexachlorobutadiene	N	E84282	8270C	7/21/2005 11:40:00PM	32	32	ug/L	U
000406	Field pH	N	E84282	150.1_F	7/7/2005 1:30:00PM	6.42		SU	
039420	Heptachlor epoxide	N	E84282	8081A	7/21/2005 5:52:00AM	0.22	0.22	ug/L	U
034475	Tetrachloroethene	N	E87052	8260B	7/14/2005 5:15:00PM	38	0.038	ug/L	U
077152	o-Cresol	N	E84282	8270C	7/21/2005 11:40:00PM	64	31	ug/L	I
039032	Pentachlorophenol	N	E84282	8270C	7/21/2005 11:40:00PM	28	28	ug/L	U
000000	Pyridine	N	E84282	8270C	7/21/2005 11:40:00PM	120	43	ug/L	I
034501	1,1-Dichloroethene	N	E87052	8260B	7/14/2005 5:15:00PM	48	0.048	ug/L	U
034531	1,2-Dichloroethane	N	E87052	8260B	7/14/2005 5:15:00PM	24	0.024	ug/L	U
034030	Benzene	N	E87052	8260B	7/14/2005 5:15:00PM	28	0.028	ug/L	U
032102	Carbon tetrachloride	N	E87052	8260B	7/14/2005 5:15:00PM	45	0.045	ug/L	U
034301	Chlorobenzene	N	E87052	8260B	7/14/2005 5:15:00PM	21	0.021	ug/L	U
000010	Field Temperature	N	E84282	170.1_F	7/7/2005 1:30:00PM	34.4		Degrees C	
071900	Mercury	N	E84282	7470A	7/19/2005 5:52:00PM	0.36	0.36	ug/L	U
039180	Trichloroethene	N	E87052	8260B	7/14/2005 5:15:00PM	35	0.035	ug/L	U
034396	Hexachloroethane	N	E84282	8270C	7/21/2005 11:40:00PM	32	32	ug/L	U
039175	Vinyl chloride	N	E87052	8260B	7/14/2005 5:15:00PM	45	0.045	ug/L	U
001002	Arsenic	N	E84282	6010B	7/21/2005 9:47:00AM	130	120	ug/L	I
001007	Barium	N	E84282	6010B	7/21/2005 9:47:00AM	30	30	ug/L	U
001027	Cadmium	N	E84282	6010B	7/21/2005 9:47:00AM	18	18	ug/L	U
001034	Chromium	N	E84282	6010B	7/21/2005 9:47:00AM	43	43	ug/L	U
001051	Lead	N	E84282	6010B	7/21/2005 9:47:00AM	40	40	ug/L	U
001147	Selenium	N	E84282	6010B	7/21/2005 9:47:00AM	150	150	ug/L	U
001077	Silver	N	E84282	6010B	7/21/2005 9:47:00AM	48	48	ug/L	
032106	Chloroform	N	E87052	8260B	7/14/2005 5:15:00PM	25	0.025	ug/L	

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Total Parameters Monitored: 44

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Appendix G

STL Laboratory Reports – Leachate Sample Points

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-3039-1

Job Description: COND/TCLP/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/29/2005

Methods: FDEP, DOH Certification #: E84282 These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3039-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3039-1	**COND**					
TCLP						
Methyl Ethyl Ketone		5.9		0.25	mg/L	8260B
Pyridine		120	I	1300	ug/L	8270C
o-Cresol		64	I	250	ug/L	8270C
m & p – Cresol		860		250	ug/L	8270C
Arsenic		130	I	1000	ug/L	6010B

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3039-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SAV	SW846 8260B	
Toxicity Characteristic Leaching Procedure (ZHE)	STL-SAV		SW846 1311
Purge and Trap on Leachates	STL-SAV		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL-TAM	SW846 8270C	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Continuous Liquid-Liquid Extraction	STL-TAM		SW846 3520C
Organochlorine Pesticides by Gas Chromatography	STL-TAM	SW846 8081A	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Separatory Funnel Liquid-Liquid Extraction	STL-TAM		SW846 3510C
Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzylation Derivat	STL-TAM	SW846 8151A	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Chlorinated Herbicides by GC - Aqueous Prep	STL-TAM		SW846 8151A
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-TAM	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-TAM		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-TAM	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL-TAM		SW846 7470A
Field Sampling	STL-TAM	EPA Field Sampling	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3039-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3039-1	COND	Water	07/07/2005 1330	07/08/2005 0830

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: **COND**

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS -TCLP

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 07/14/2005 1715
Date Prepared: 07/14/2005 1715

Analysis Batch: 680-16166
Prep Batch: 680-16158

Instrument ID: GC/MS Volatiles - P
Lab File ID: p7817.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Benzene	0.028	U	0.028	0.050
Carbon tetrachloride	0.045	U	0.045	0.050
Chlorobenzene	0.021	U	0.021	0.050
Chloroform	0.025	U	0.025	0.050
1,2-Dichloroethane	0.024	U	0.024	0.050
1,1-Dichloroethene	0.048	U	0.048	0.050
Methyl Ethyl Ketone	5.9		0.035	0.25
Tetrachloroethene	0.038	U	0.038	0.050
Trichloroethene	0.035	U	0.035	0.050
Vinyl chloride	0.045	U	0.045	0.10

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	96	77 - 120
Dibromofluoromethane	87	75 - 123
Toluene-d8	84	79 - 122

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: COND

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) -TCLP

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 07/21/2005 2340
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10656
Prep Batch: 660-10420

Instrument ID: 5972MSD
Lab File ID: 1BG21019.D
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Pyridine	120	I	43	1300
Pentachlorophenol	28	U	28	1300
Nitrobenzene	31	U	31	250
Hexachloroethane	32	U	32	250
Hexachlorobutadiene	32	U	32	250
Hexachlorobenzene	24	U	24	250
o-Cresol	64	I	31	250
m & p – Cresol	860		31	250
1,4-Dichlorobenzene	27	U	27	250
2,4-Dinitrotoluene	27	U	27	250
2,4,5-Trichlorophenol	34	U	34	250
2,4,6-Trichlorophenol	24	U	24	250

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	80	39 - 146
2-Fluorophenol	80	29 - 121
Phenol-d5	81	25 - 126
Nitrobenzene-d5	85	32 - 131
2-Fluorobiphenyl	89	40 - 129
Terphenyl-d14	84	10 - 149

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: COND

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8081A Organochlorine Pesticides by Gas Chromatography -TCLP

Method: 8081A
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 07/21/2005 0552
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10648
Prep Batch: 660-10420

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J018.D
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Endrin	0.61	U	0.61	5.0
gamma-BHC (Lindane)	0.21	U	0.21	2.5
Methoxychlor	0.44	U	0.44	25
Chlordane (technical)	3.4	U	3.4	25
Toxaphene	19	U	19	250
Heptachlor	0.36	U	0.36	2.5
Heptachlor epoxide	0.22	U	0.22	2.5

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	44	30 - 150
Tetrachloro-m-xylene	32	30 - 150

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: **COND**

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8151A Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzylation Derivat -TCLP

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 07/22/2005 0017
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10672
Prep Batch: 660-10420

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J016.D
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2,4-D	7.5	U	7.5	25
Silvex (2,4,5-TP)	1.6	U	1.6	25

Surrogate	%Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	73	33 - 120

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: COND

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 07/21/2005 0947
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10601
Prep Batch: 660-10420

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	48	U	48	500
Arsenic	130	I	120	1000
Barium	30	U	30	5000
Cadmium	18	U	18	500
Chromium	43	U	43	1000
Lead	40	U	40	1000
Selenium	150	U	150	2500

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 07/19/2005 1752
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.36	U	0.36	20

Field Service / Mobile Lab

Client Sample ID: COND

Lab Sample ID: 660-3039-1
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Oxygen, Dissolved	1.3		mg/L	1.0	Field	660-1002	07/07/2005 1330
Turbidity	9.2		NTU	1.0	Field	660-1002	07/07/2005 1330
Field pH	6.42		SU	1.0	Field	660-1002	07/07/2005 1330
Specific Conductance	2260		umhos/cm	1.0	Field	660-1002	07/07/2005 1330
Field Temperature	34.4		Degrees C	1.0	Field	660-1002	07/07/2005 1330

SEVERN TRENT STL

DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3039-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	*Indicates that the compound was analyzed for but not* detected.
GC/MS Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 680-16166

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID: MB 680-16166/1
Client Matrix: Water
Dilution: 20
Date Analyzed: 07/14/2005 1137
Date Prepared: 07/14/2005 1137

Analysis Batch: 680-16166
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: p7793.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Benzene	0.011	U	0.011	0.020
Carbon tetrachloride	0.018	U	0.018	0.020
Chlorobenzene	0.0082	U	0.0082	0.020
Chloroform	0.010	U	0.010	0.020
1,2-Dichloroethane	0.0096	U	0.0096	0.020
1,1-Dichloroethene	0.019	U	0.019	0.020
Methyl Ethyl Ketone	0.014	U	0.014	0.10
Tetrachloroethene	0.015	U	0.015	0.020
Trichloroethene	0.014	U	0.014	0.020
Vinyl chloride	0.018	U	0.018	0.040

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	77 - 120
Dibromofluoromethane	87	75 - 123
Toluene-d8	87	79 - 122

Laboratory Control Sample - Batch: 680-16166

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID: LCS 680-16166/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1007
Date Prepared: 07/14/2005 1007

Analysis Batch: 680-16166
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq167.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0250	0.023	92	74 - 122	
Carbon tetrachloride	0.0250	0.026	103	64 - 137	
Chlorobenzene	0.0250	0.025	99	75 - 123	
Chloroform	0.0250	0.023	91	74 - 124	
1,2-Dichloroethane	0.0250	0.025	101	68 - 130	
1,1-Dichloroethene	0.0250	0.022	87	64 - 132	
Methyl Ethyl Ketone	0.0250	0.017	67	51 - 142	
Tetrachloroethene	0.0250	0.027	110	70 - 133	
Trichloroethene	0.0250	0.025	100	75 - 122	
Vinyl chloride	0.0250	0.026	102	59 - 136	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10509

Method: 8270C
Preparation: 3520C
TCLP

Lab Sample ID: MB 660-10509/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2144
Date Prepared: 07/20/2005 0828

Analysis Batch: 660-10656
Prep Batch: 660-10509
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1BG21015.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Pyridine	43	U	43	1300
Pentachlorophenol	28	U	28	1300
Nitrobenzene	31	U	31	250
Hexachloroethane	32	U	32	250
Hexachlorobutadiene	32	U	32	250
Hexachlorobenzene	24	U	24	250
o-Cresol	31	U	31	250
m & p – Cresol	31	U	31	250
1,4-Dichlorobenzene	27	U	27	250
2,4-Dinitrotoluene	27	U	27	250
2,4,5-Trichlorophenol	34	U	34	250
2,4,6-Trichlorophenol	24	U	24	250

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	92	39 - 146
2-Fluorophenol	86	29 - 121
Phenol-d5	74	25 - 126
Nitrobenzene-d5	96	32 - 131
2-Fluorobiphenyl	98	40 - 129
Terphenyl-d14	100	10 - 149

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10509

Method: 8270C
Preparation: 3520C
TCLP

LCS Lab Sample ID: LCS 660-10509/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2213
Date Prepared: 07/20/2005 0828

Analysis Batch: 660-10656
Prep Batch: 660-10509
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1BG21016.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 660-10509/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2242
Date Prepared: 07/20/2005 0828

Analysis Batch: 660-10656
Prep Batch: 660-10509
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1BG21017.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Pyridine	91	81	10 - 134	12	50	I	I
Pentachlorophenol	71	83	34 - 133	15	33	I	I
Nitrobenzene	95	104	34 - 124	9	21		
Hexachloroethane	80	92	21 - 94	14	35		
Hexachlorobutadiene	85	91	26 - 104	7	30		
Hexachlorobenzene	77	85	33 - 124	10	31		
o-Cresol	86	98	38 - 118	13	27		
m & p – Cresol	81	92	38 - 118	13	27		
1,4-Dichlorobenzene	85	92	30 - 95	9	31		
2,4-Dinitrotoluene	69	73	36 - 129	5	32		
2,4,5-Trichlorophenol	94	92	46 - 128	2	28		
2,4,6-Trichlorophenol	92	103	47 - 124	12	22		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10513

Method: 8081A
Preparation: 3510C
TCLP

Lab Sample ID: MB 660-10513/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0433
Date Prepared: 07/20/2005 0842

Analysis Batch: 660-10648
Prep Batch: 660-10513
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J014.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Endrin	0.61	U	0.61	5.0
gamma-BHC (Lindane)	0.21	U	0.21	2.5
Methoxychlor	0.44	U	0.44	25
Chlordane (technical)	3.4	U	3.4	25
Toxaphene	19	U	19	250
Heptachlor	0.36	U	0.36	2.5
Heptachlor epoxide	0.22	U	0.22	2.5

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	43	30 - 150
Tetrachloro-m-xylene	38	30 - 150

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10513

Method: 8081A
Preparation: 3510C
TCLP

LCS Lab Sample ID: LCS 660-10513/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0453
Date Prepared: 07/20/2005 0842

Analysis Batch: 660-10648
Prep Batch: 660-10513
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J015.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10513/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0513
Date Prepared: 07/20/2005 0842

Analysis Batch: 660-10648
Prep Batch: 660-10513
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J016.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Endrin	61	62	36 - 137	2	25		
gamma-BHC (Lindane)	68	67	24 - 118	0	36		
Heptachlor	63	63	34 - 114	1	26		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10516

Method: 8151A
Preparation: 8151A
TCLP

Lab Sample ID: MB 660-10516/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2232
Date Prepared: 07/20/2005 0848

Analysis Batch: 660-10672
Prep Batch: 660-10516
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J010.D
Initial Weight/Volume: 500 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
2,4-D	0.15	U	0.15	0.50
Silvex (2,4,5-TP)	0.032	U	0.032	0.50

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	72	33 - 120

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10516

Method: 8151A
Preparation: 8151A
TCLP

LCS Lab Sample ID: LCS 660-10516/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2249
Date Prepared: 07/20/2005 0848

Analysis Batch: 660-10672
Prep Batch: 660-10516
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J011.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10516/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2307
Date Prepared: 07/20/2005 0848

Analysis Batch: 660-10672
Prep Batch: 660-10516
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J012.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-D	109	109	10 - 166	0	78		
Silvex (2,4,5-TP)	111	116	25 - 139	4	66		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3039-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10516

Method: 8151A
Preparation: 8151A
TCLP

MS Lab Sample ID:	660-3039-1	Analysis Batch: 660-10672	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Water	Prep Batch: 660-10516	Lab File ID: 1G21J017.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/22/2005 0035		Final Weight/Volume: 2 mL
Date Prepared:	07/20/2005 0848		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	660-3039-1	Analysis Batch: 660-10672	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Water	Prep Batch: 660-10516	Lab File ID: 1G21J018.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/22/2005 0052		Final Weight/Volume: 2 mL
Date Prepared:	07/20/2005 0848		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	108	107	10 - 166	1	78		
Silvex (2,4,5-TP)	110	110	25 - 139	0	66		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10420

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	660-3055-A-1-F MS*P	Analysis Batch: 660-10601	Instrument ID: TJA ICP
Client Matrix:	Water	Prep Batch: 660-10420	Lab File ID: 5G21B
Dilution:	5.0		Initial Weight/Volume:
Date Analyzed:	07/21/2005 0911		Final Weight/Volume:
Date Prepared:	07/18/2005 1749		

MSD Lab Sample ID:	660-3055-A-1-G MSD*P	Analysis Batch: 660-10601	Instrument ID: TJA ICP
Client Matrix:	Water	Prep Batch: 660-10420	Lab File ID: 5G21B
Dilution:	5.0		Initial Weight/Volume:
Date Analyzed:	07/21/2005 0915		Final Weight/Volume:
Date Prepared:	07/18/2005 1749		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	101	100	75 - 125	1	20		
Arsenic	112	107	75 - 125	4	20		
Barium	101	100	75 - 125	1	20	I	I
Cadmium	108	107	75 - 125	0	20		
Chromium	104	104	75 - 125	0	20		
Lead	106	106	75 - 125	0	20		
Selenium	106	108	75 - 125	2	20	I	I

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10525

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 660-10420/1-F
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0847
Date Prepared: 07/20/2005 0945

Analysis Batch: 660-10601
Prep Batch: 660-10525
Units: ug/L

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	9.5	U	9.5	100
Arsenic	24	U	24	200
Barium	6.0	U	6.0	1000
Cadmium	3.6	U	3.6	100
Chromium	8.5	U	8.5	200
Lead	8.0	U	8.0	200
Selenium	30	U	30	500

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10525

Method: 6010B
Preparation: 3010A
TCLP

LCS Lab Sample ID: LCS 660-10525/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0852
Date Prepared: 07/20/2005 0945

Analysis Batch: 660-10601
Prep Batch: 660-10525
Units: ug/L

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-10525/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0856
Date Prepared: 07/20/2005 0945

Analysis Batch: 660-10601
Prep Batch: 660-10525
Units: ug/L

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	106	104	75 - 125	1	20		
Arsenic	112	109	75 - 125	3	20		
Barium	100	99	75 - 125	0	20		I
Cadmium	105	103	75 - 125	3	20		
Chromium	103	100	75 - 125	3	20		
Lead	107	104	75 - 125	2	20		
Selenium	113	110	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10420

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: MB 660-10420/1-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1734
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	MDL	PQL
Mercury	0.36	U	0.36	20

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10420

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID: 660-3055-A-1-C MS*P
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1744
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420

Instrument ID: HydraAA Mercury Analyz
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

MSD Lab Sample ID: 660-3055-A-1-D MSD*P
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1745
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	94	80 - 120	1	20	I	I

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10470

Method: 7470A
Preparation: 7470A
TCLP

LCS Lab Sample ID:	LCS 660-10470/2-A	Analysis Batch:	660-10501	Instrument ID:	HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch:	660-10470	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	07/19/2005 1736			Final Weight/Volume:	50 mL
Date Prepared:	07/19/2005 1328				

LCSD Lab Sample ID:	LCSD 660-10470/3-A	Analysis Batch:	660-10501	Instrument ID:	HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch:	660-10470	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	07/19/2005 1737			Final Weight/Volume:	50 mL
Date Prepared:	07/19/2005 1328				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	98	93	80 - 120	5	20	I	I

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 24208

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL	
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: PEST/ TCLP - HERB	TCLP - BNA	TCLP - VOA	TCLP - Metals	NUMBER OF CONTAINERS SUBMITTED	REMARKS
		PRESERVATIVE						None	None	None	None		
7-7	1330	COND	G	X				4	2	2	1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
ENTER COMMENTS HERE	7/8/05	1600		7-7-05	2000			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
ENTER COMMENTS HERE								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	7-8-05	0830	YES ⊗ NO ○	N/S	660-3039	

STL8240-660 (12/02)

SEVERN TRENT STL

ANALYTICAL REPORT

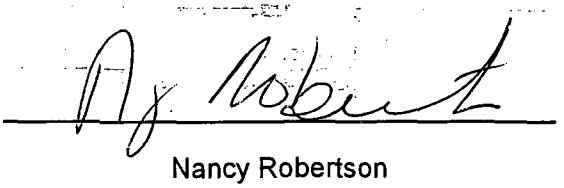
Job Number: 660-3039-1

Job Description: COND/TCLP/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone



Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/29/2005

Methods: FDEP, DOH Certification #: E84282 These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3039-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3039-1	**COND**					
TCLP						
Methyl Ethyl Ketone		5.9		0.25	mg/L	8260B
Pyridine		120	I	1300	ug/L	8270C
o-Cresol		64	I	250	ug/L	8270C
m & p – Cresol		860		250	ug/L	8270C
Arsenic		130	I	1000	ug/L	6010B

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3039-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SAV	SW846 8260B	
Toxicity Characteristic Leaching Procedure (ZHE)	STL-SAV		SW846 1311
Purge and Trap on Leachates	STL-SAV		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL-TAM	SW846 8270C	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Continuous Liquid-Liquid Extraction	STL-TAM		SW846 3520C
Organochlorine Pesticides by Gas Chromatography	STL-TAM	SW846 8081A	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Separatory Funnel Liquid-Liquid Extraction	STL-TAM		SW846 3510C
Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzylation Derivat	STL-TAM	SW846 8151A	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Chlorinated Herbicides by GC - Aqueous Prep	STL-TAM		SW846 8151A
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-TAM	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-TAM		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-TAM	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-TAM		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL-TAM		SW846 7470A
Field Sampling	STL-TAM	EPA Field Sampling	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3039-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3039-1	COND	Water	07/07/2005 1330	07/08/2005 0830

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: **COND**

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS -TCLP

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 07/14/2005 1715
Date Prepared: 07/14/2005 1715

Analysis Batch: 680-16166
Prep Batch: 680-16158

Instrument ID: GC/MS Volatiles - P
Lab File ID: p7817.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Benzene	0.028	U	0.028	0.050
Carbon tetrachloride	0.045	U	0.045	0.050
Chlorobenzene	0.021	U	0.021	0.050
Chloroform	0.025	U	0.025	0.050
1,2-Dichloroethane	0.024	U	0.024	0.050
1,1-Dichloroethene	0.048	U	0.048	0.050
Methyl Ethyl Ketone	5.9		0.035	0.25
Tetrachloroethene	0.038	U	0.038	0.050
Trichloroethene	0.035	U	0.035	0.050
Vinyl chloride	0.045	U	0.045	0.10

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	96	77 - 120
Dibromofluoromethane	87	75 - 123
Toluene-d8	84	79 - 122

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: COND

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) -TCLP

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 07/21/2005 2340
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10656
Prep Batch: 660-10420

Instrument ID: 5972MSD
Lab File ID: 1BG21019.D
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Pyridine	120	I	43	1300
Pentachlorophenol	28	U	28	1300
Nitrobenzene	31	U	31	250
Hexachloroethane	32	U	32	250
Hexachlorobutadiene	32	U	32	250
Hexachlorobenzene	24	U	24	250
o-Cresol	64	I	31	250
m & p – Cresol	860		31	250
1,4-Dichlorobenzene	27	U	27	250
2,4-Dinitrotoluene	27	U	27	250
2,4,5-Trichlorophenol	34	U	34	250
2,4,6-Trichlorophenol	24	U	24	250

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	80	39 - 146
2-Fluorophenol	80	29 - 121
Phenol-d5	81	25 - 126
Nitrobenzene-d5	85	32 - 131
2-Fluorobiphenyl	89	40 - 129
Terphenyl-d14	84	10 - 149

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: COND

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8081A Organochlorine Pesticides by Gas Chromatography -TCLP

Method: 8081A
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 07/21/2005 0552
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10648
Prep Batch: 660-10420

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J018.D
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Endrin	0.61	U	0.61	5.0
gamma-BHC (Lindane)	0.21	U	0.21	2.5
Methoxychlor	0.44	U	0.44	25
Chlordane (technical)	3.4	U	3.4	25
Toxaphene	19	U	19	250
Heptachlor	0.36	U	0.36	2.5
Heptachlor epoxide	0.22	U	0.22	2.5

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	44	30 - 150
Tetrachloro-m-xylene	32	30 - 150

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: **COND**

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

8151A Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzylation Derivat -TCLP

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 07/22/2005 0017
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10672
Prep Batch: 660-10420

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J016.D
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2,4-D	7.5	U	7.5	25
Silvex (2,4,5-TP)	1.6	U	1.6	25

Surrogate	%Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	73	33 - 120

Client: HDR Engineering

Job Number: 660-3039-1

Client Sample ID: COND

Lab Sample ID: 660-3039-1
Client Matrix: Water

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 07/21/2005 0947
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10601
Prep Batch: 660-10420

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	48	U	48	500
Arsenic	130	I	120	1000
Barium	30	U	30	5000
Cadmium	18	U	18	500
Chromium	43	U	43	1000
Lead	40	U	40	1000
Selenium	150	U	150	2500

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 07/19/2005 1752
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.36	U	0.36	20

Field Service / Mobile Lab

Client Sample ID: **COND**

Lab Sample ID: 660-3039-1
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1330
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Oxygen, Dissolved	1.3		mg/L	1.0	Field	660-1002	07/07/2005 1330
Turbidity	9.2		NTU	1.0	Field	660-1002	07/07/2005 1330
Field pH	6.42		SU	1.0	Field	660-1002	07/07/2005 1330
Specific Conductance	2260		umhos/cm	1.0	Field	660-1002	07/07/2005 1330
Field Temperature	34.4		Degrees C	1.0	Field	660-1002	07/07/2005 1330

DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3039-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
GC/MS Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 680-16166

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID: MB 680-16166/1
Client Matrix: Water
Dilution: 20
Date Analyzed: 07/14/2005 1137
Date Prepared: 07/14/2005 1137

Analysis Batch: 680-16166
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: p7793.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Benzene	0.011	U	0.011	0.020
Carbon tetrachloride	0.018	U	0.018	0.020
Chlorobenzene	0.0082	U	0.0082	0.020
Chloroform	0.010	U	0.010	0.020
1,2-Dichloroethane	0.0096	U	0.0096	0.020
1,1-Dichloroethene	0.019	U	0.019	0.020
Methyl Ethyl Ketone	0.014	U	0.014	0.10
Tetrachloroethene	0.015	U	0.015	0.020
Trichloroethene	0.014	U	0.014	0.020
Vinyl chloride	0.018	U	0.018	0.040

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	77 - 120
Dibromofluoromethane	87	75 - 123
Toluene-d8	87	79 - 122

Laboratory Control Sample - Batch: 680-16166

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID: LCS 680-16166/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1007
Date Prepared: 07/14/2005 1007

Analysis Batch: 680-16166
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq167.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0250	0.023	92	74 - 122	
Carbon tetrachloride	0.0250	0.026	103	64 - 137	
Chlorobenzene	0.0250	0.025	99	75 - 123	
Chloroform	0.0250	0.023	91	74 - 124	
1,2-Dichloroethane	0.0250	0.025	101	68 - 130	
1,1-Dichloroethene	0.0250	0.022	87	64 - 132	
Methyl Ethyl Ketone	0.0250	0.017	67	51 - 142	
Tetrachloroethene	0.0250	0.027	110	70 - 133	
Trichloroethene	0.0250	0.025	100	75 - 122	
Vinyl chloride	0.0250	0.026	102	59 - 136	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10509

Method: 8270C
Preparation: 3520C
TCLP

Lab Sample ID: MB 660-10509/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2144
Date Prepared: 07/20/2005 0828

Analysis Batch: 660-10656
Prep Batch: 660-10509
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1BG21015.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Pyridine	43	U	43	1300
Pentachlorophenol	28	U	28	1300
Nitrobenzene	31	U	31	250
Hexachloroethane	32	U	32	250
Hexachlorobutadiene	32	U	32	250
Hexachlorobenzene	24	U	24	250
o-Cresol	31	U	31	250
m & p – Cresol	31	U	31	250
1,4-Dichlorobenzene	27	U	27	250
2,4-Dinitrotoluene	27	U	27	250
2,4,5-Trichlorophenol	34	U	34	250
2,4,6-Trichlorophenol	24	U	24	250

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	92	39 - 146
2-Fluorophenol	86	29 - 121
Phenol-d5	74	25 - 126
Nitrobenzene-d5	96	32 - 131
2-Fluorobiphenyl	98	40 - 129
Terphenyl-d14	100	10 - 149

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10509

Method: 8270C
Preparation: 3520C
TCLP

LCS Lab Sample ID: LCS 660-10509/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2213
Date Prepared: 07/20/2005 0828

Analysis Batch: 660-10656
Prep Batch: 660-10509
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1BG21016.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 660-10509/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2242
Date Prepared: 07/20/2005 0828

Analysis Batch: 660-10656
Prep Batch: 660-10509
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1BG21017.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Pyridine	91	81	10 - 134	12	50	I	I
Pentachlorophenol	71	83	34 - 133	15	33	I	I
Nitrobenzene	95	104	34 - 124	9	21		
Hexachloroethane	80	92	21 - 94	14	35		
Hexachlorobutadiene	85	91	26 - 104	7	30		
Hexachlorobenzene	77	85	33 - 124	10	31		
o-Cresol	86	98	38 - 118	13	27		
m & p – Cresol	81	92	38 - 118	13	27		
1,4-Dichlorobenzene	85	92	30 - 95	9	31		
2,4-Dinitrotoluene	69	73	36 - 129	5	32		
2,4,5-Trichlorophenol	94	92	46 - 128	2	28		
2,4,6-Trichlorophenol	92	103	47 - 124	12	22		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10513

Method: 8081A
Preparation: 3510C
TCLP

Lab Sample ID: MB 660-10513/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0433
Date Prepared: 07/20/2005 0842

Analysis Batch: 660-10648
Prep Batch: 660-10513
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J014.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Endrin	0.61	U	0.61	5.0
gamma-BHC (Lindane)	0.21	U	0.21	2.5
Methoxychlor	0.44	U	0.44	25
Chlordane (technical)	3.4	U	3.4	25
Toxaphene	19	U	19	250
Heptachlor	0.36	U	0.36	2.5
Heptachlor epoxide	0.22	U	0.22	2.5

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	43	30 - 150
Tetrachloro-m-xylene	38	30 - 150

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10513

Method: 8081A
Preparation: 3510C
TCLP

LCS Lab Sample ID: LCS 660-10513/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0453
Date Prepared: 07/20/2005 0842

Analysis Batch: 660-10648
Prep Batch: 660-10513
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J015.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10513/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0513
Date Prepared: 07/20/2005 0842

Analysis Batch: 660-10648
Prep Batch: 660-10513
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G20J016.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Endrin	61	62	36 - 137	2	25		
gamma-BHC (Lindane)	68	67	24 - 118	0	36		
Heptachlor	63	63	34 - 114	1	26		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10516

Method: 8151A
Preparation: 8151A
TCLP

Lab Sample ID: MB 660-10516/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2232
Date Prepared: 07/20/2005 0848

Analysis Batch: 660-10672
Prep Batch: 660-10516
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J010.D
Initial Weight/Volume: 500 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
2,4-D	0.15	U	0.15	0.50
Silvex (2,4,5-TP)	0.032	U	0.032	0.50

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	72	33 - 120

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10516

Method: 8151A
Preparation: 8151A
TCLP

LCS Lab Sample ID: LCS 660-10516/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2249
Date Prepared: 07/20/2005 0848

Analysis Batch: 660-10672
Prep Batch: 660-10516
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J011.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10516/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 2307
Date Prepared: 07/20/2005 0848

Analysis Batch: 660-10672
Prep Batch: 660-10516
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G21J012.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-D	109	109	10 - 166	0	78		
Silvex (2,4,5-TP)	111	116	25 - 139	4	66		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10516

Method: 8151A
Preparation: 8151A
TCLP

MS Lab Sample ID:	660-3039-1	Analysis Batch: 660-10672	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Water	Prep Batch: 660-10516	Lab File ID: 1G21J017.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/22/2005 0035		Final Weight/Volume: 2 mL
Date Prepared:	07/20/2005 0848		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	660-3039-1	Analysis Batch: 660-10672	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Water	Prep Batch: 660-10516	Lab File ID: 1G21J018.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/22/2005 0052		Final Weight/Volume: 2 mL
Date Prepared:	07/20/2005 0848		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	108	107	10 - 166	1	78		
Silvex (2,4,5-TP)	110	110	25 - 139	0	66		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10420

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	660-3055-A-1-F MS*P	Analysis Batch: 660-10601	Instrument ID: TJA ICP
Client Matrix:	Water	Prep Batch: 660-10420	Lab File ID: 5G21B
Dilution:	5.0		Initial Weight/Volume:
Date Analyzed:	07/21/2005 0911		Final Weight/Volume:
Date Prepared:	07/18/2005 1749		

MSD Lab Sample ID:	660-3055-A-1-G MSD*P	Analysis Batch: 660-10601	Instrument ID: TJA ICP
Client Matrix:	Water	Prep Batch: 660-10420	Lab File ID: 5G21B
Dilution:	5.0		Initial Weight/Volume:
Date Analyzed:	07/21/2005 0915		Final Weight/Volume:
Date Prepared:	07/18/2005 1749		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	101	100	75 - 125	1	20		
Arsenic	112	107	75 - 125	4	20		
Barium	101	100	75 - 125	1	20	I	I
Cadmium	108	107	75 - 125	0	20		
Chromium	104	104	75 - 125	0	20		
Lead	106	106	75 - 125	0	20		
Selenium	106	108	75 - 125	2	20	I	I

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10525

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 660-10420/1-F
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0847
Date Prepared: 07/20/2005 0945

Analysis Batch: 660-10601
Prep Batch: 660-10525
Units: ug/L

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	9.5	U	9.5	100
Arsenic	24	U	24	200
Barium	6.0	U	6.0	1000
Cadmium	3.6	U	3.6	100
Chromium	8.5	U	8.5	200
Lead	8.0	U	8.0	200
Selenium	30	U	30	500

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10525

Method: 6010B
Preparation: 3010A
TCLP

LCS Lab Sample ID: LCS 660-10525/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0852
Date Prepared: 07/20/2005 0945

Analysis Batch: 660-10601
Prep Batch: 660-10525
Units: ug/L

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-10525/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2005 0856
Date Prepared: 07/20/2005 0945

Analysis Batch: 660-10601
Prep Batch: 660-10525
Units: ug/L

Instrument ID: TJA ICP
Lab File ID: 5G21B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	106	104	75 - 125	1	20		
Arsenic	112	109	75 - 125	3	20		
Barium	100	99	75 - 125	0	20		
Cadmium	105	103	75 - 125	3	20		
Chromium	103	100	75 - 125	3	20		
Lead	107	104	75 - 125	2	20		
Selenium	113	110	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Method Blank - Batch: 660-10420

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: MB 660-10420/1-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1734
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	MDL	PQL
Mercury	0.36	U	0.36	20

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10420

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID: 660-3055-A-1-C MS*P
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1744
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420

Instrument ID: HydraAA Mercury Analyz
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

MSD Lab Sample ID: 660-3055-A-1-D MSD*P
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1745
Date Prepared: 07/18/2005 1749

Analysis Batch: 660-10501
Prep Batch: 660-10420

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	94	80 - 120	1	20	I	I

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3039-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10470

Method: 7470A
Preparation: 7470A
TCLP

LCS Lab Sample ID: LCS 660-10470/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1736
Date Prepared: 07/19/2005 1328

Analysis Batch: 660-10501
Prep Batch: 660-10470
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-10470/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2005 1737
Date Prepared: 07/19/2005 1328

Analysis Batch: 660-10501
Prep Batch: 660-10470
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	98	93	80 - 120	5	20	I	I

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 24208

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL	
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ⊗
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: PEST/TCLP-HERB	TCLP-BNA	TCLP-VOA	TCLP-Metals	REMARKS
								NONE	NONE	NONE	NONE	PRESERVATIVE
								NUMBER OF CONTAINERS SUBMITTED				
7-7	1330	COND	G	X				4	2	2	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	7/6/05	1600	[signature]	7-7-05	2000			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
ENTITY CONTAINERS								

LABORATORY USE ONLY 4

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ⊗ NO ○	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
[signature]	7-8-05	0830		NIS	660-3039	

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-3038-1

Job Description: LDSS/LCS/Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
07/21/2005

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3038-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3038-1	**LDSS**					
Acetone		5000		200	ug/L	8260B
Benzene		2.7	I	10	ug/L	8260B
Methyl Ethyl Ketone		4900		100	ug/L	8260B
1,4-Dichlorobenzene		12		10	ug/L	8260B
Ethylbenzene		29		10	ug/L	8260B
4-Methyl-2-pentanone		64	I	100	ug/L	8260B
Toluene		26		10	ug/L	8260B
Xylenes, Total		83		10	ug/L	8260B
Mercury		14		2.0	ug/L	245.1
Total Dissolved Solids		3300		5.0	mg/L	160.1
Chloride		1100		1.0	mg/L	325.2
Ammonia		1500		0.050	mg/L	350.1
Nitrate Nitrogen		0.10	I	0.50	mg/L	353.2
Total Recoverable						
Arsenic		460		50	ug/L	200.7 Rev 4.4
Barium		3400		50	ug/L	200.7 Rev 4.4
Cobalt		140		50	ug/L	200.7 Rev 4.4
Chromium		480		50	ug/L	200.7 Rev 4.4
Copper		4400		100	ug/L	200.7 Rev 4.4
Iron		1100000		250	ug/L	200.7 Rev 4.4
Sodium		980		2.5	mg/L	200.7 Rev 4.4
Nickel		360		200	ug/L	200.7 Rev 4.4
Antimony		160		30	ug/L	200.7 Rev 4.4
Lead		790		25	ug/L	200.7 Rev 4.4
Vanadium		320		50	ug/L	200.7 Rev 4.4
Zinc		1500		100	ug/L	200.7 Rev 4.4
Thallium		0.63	I	1.0	ug/L	200.8

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-3038-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-3038-2	**LCS**					
Acetone		3900		400	ug/L	8260B
Benzene		8.4	I	20	ug/L	8260B
Methyl Ethyl Ketone		4100		200	ug/L	8260B
1,4-Dichlorobenzene		12	I	20	ug/L	8260B
Ethylbenzene		31		20	ug/L	8260B
Toluene		29		20	ug/L	8260B
Xylenes, Total		71		20	ug/L	8260B
Total Dissolved Solids		3100		5.0	mg/L	160.1
Chloride		880		1.0	mg/L	325.2
Ammonia		1200		0.050	mg/L	350.1
Total Recoverable						
Arsenic		49		20	ug/L	200.7 Rev 4.4
Barium		170		20	ug/L	200.7 Rev 4.4
Cobalt		16	I	20	ug/L	200.7 Rev 4.4
Chromium		42		20	ug/L	200.7 Rev 4.4
Copper		23	I	40	ug/L	200.7 Rev 4.4
Iron		18000		100	ug/L	200.7 Rev 4.4
Sodium		880		1.0	mg/L	200.7 Rev 4.4
Nickel		78	I	80	ug/L	200.7 Rev 4.4
Antimony		17		12	ug/L	200.7 Rev 4.4
Vanadium		23		20	ug/L	200.7 Rev 4.4
Zinc		17	I	40	ug/L	200.7 Rev 4.4

SEVERN TRENT STL

METHOD SUMMARY

Client: HDR Engineering

Job Number: 660-3038-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-TAM	SW846 8260B	
Purge-and-Trap	STL-TAM		SW846 5030B
EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography	STL-TAM	EPA-01 504.1	
EDB, DBCP, and 123TCP in Water by	STL-TAM		EPA-DW 504.1
ICP Metals by 200.7	STL-TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL-TAM		40CFR136A 200.7 Appx C
ICPMS Metals by 200.8 CWA	STL-SAV	EPA 200.8	
Total Recoverable Metals for 200.8	STL-SAV		MCAWW 4.1.4
Mercury in Water by CVAA	STL-TAM	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-TAM		EPA 245.1
Field Sampling	STL-TAM	EPA Field Sampling	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-TAM	MCAWW 160.1	
Chloride (Colorimetric, Automated Ferricyanide, AAI	STL-TAM	MCAWW 325.2	
Nitrogen (Ammonia, Colorimetric, Automated Phenate)	STL-TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAM	MCAWW 353.2	

LAB REFERENCES:

STL-TAM = STL-Tampa
STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-3038-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-3038-1	LDSS	Water	07/07/2005 1255	07/08/2005 0830
660-3038-2	LCS	Water	07/07/2005 1310	07/08/2005 0830
660-3038-3TB	TRIP BLANK 8260 APP I	Water	07/07/2005 1255	07/08/2005 0830
660-3038-4TB	TRIP BLANK EDB	Water	07/07/2005 1255	07/08/2005 0830

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LDSS

Lab Sample ID: 660-3038-1
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 10
Date Analyzed: 07/18/2005 1736
Date Prepared: 07/18/2005 1736

Analysis Batch: 660-10478

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1822.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	5000		99	200
Acrylonitrile	12	U	12	1000
Benzene	2.7	I	2.7	10
Bromodichloromethane	3.5	U	3.5	10
Bromoform	5.8	U	5.8	10
Bromomethane	6.6	U	6.6	10
Methyl Ethyl Ketone	4900		84	100
Carbon disulfide	8.5	U	8.5	10
Carbon tetrachloride	4.2	U	4.2	10
Chlorobenzene	6.3	U	6.3	10
Bromochloromethane	5.8	U	5.8	10
Chloroethane	8.0	U	8.0	10
Chloroform	9.0	U	9.0	10
1,2-Dichlorobenzene	4.4	U	4.4	10
Chloromethane	6.4	U	6.4	10
Dibromochloromethane	3.4	U	3.4	10
Methylene bromide	4.1	U	4.1	10
trans-1,4-Dichloro-2-butene	25	U	25	100
1,1-Dichloroethane	5.2	U	5.2	10
1,4-Dichlorobenzene	12		5.2	10
1,2-Dichloroethane	5.7	U	5.7	10
1,1-Dichloroethene	4.5	U	4.5	10
cis-1,2-Dichloroethene	6.5	U	6.5	10
trans-1,2-Dichloroethene	4.4	U	4.4	10
1,2-Dichloropropane	5.2	U	5.2	10
cis-1,3-Dichloropropene	1.4	U	1.4	10
trans-1,3-Dichloropropene	1.4	U	1.4	10
Ethylbenzene	29		4.4	10
2-Hexanone	44	U	44	100
Iodomethane	6.7	U	6.7	10
4-Methyl-2-pentanone	64	I	38	100
Methylene Chloride	40	U	40	50
Styrene	9.8	U	9.8	10
1,1,2,2-Tetrachloroethane	1.4	U	1.4	10
1,1,1,2-Tetrachloroethane	6.3	U	6.3	10
Tetrachloroethene	3.4	U	3.4	10
Toluene	26		5.1	10
1,1,1-Trichloroethane	4.6	U	4.6	10
1,1,2-Trichloroethane	4.7	U	4.7	10
Trichloroethene	2.8	U	2.8	10
Trichlorofluoromethane	9.8	U	9.8	10
1,2,3-Trichloropropane	1.5	U	1.5	10

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LDSS

Lab Sample ID: 660-3038-1
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 10
Date Analyzed: 07/18/2005 1736
Date Prepared: 07/18/2005 1736

Analysis Batch: 660-10478

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1822.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	15	U	15	100
Vinyl chloride	5.0	U	5.0	10
Xylenes, Total	83		9.0	10

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	74 - 126
Dibromofluoromethane	103	70 - 130
Toluene-d8	107	77 - 122

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LCS

Lab Sample ID: 660-3038-2
Client Matrix: Water

Date Sampled: 07/07/2005 1310
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 07/18/2005 1717
Date Prepared: 07/18/2005 1717

Analysis Batch: 660-10478

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1821.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	3900		200	400
Acrylonitrile	24	U	24	2000
Benzene	8.4	I	5.4	20
Bromodichloromethane	7.0	U	7.0	20
Bromoform	12	U	12	20
Bromomethane	13	U	13	20
Methyl Ethyl Ketone	4100		170	200
Carbon disulfide	17	U	17	20
Carbon tetrachloride	8.4	U	8.4	20
Chlorobenzene	13	U	13	20
Bromochloromethane	12	U	12	20
Chloroethane	16	U	16	20
Chloroform	18	U	18	20
1,2-Dichlorobenzene	8.8	U	8.8	20
Chloromethane	13	U	13	20
Dibromochloromethane	6.8	U	6.8	20
Methylene bromide	8.2	U	8.2	20
trans-1,4-Dichloro-2-butene	50	U	50	200
1,1-Dichloroethane	10	U	10	20
1,4-Dichlorobenzene	12	I	10	20
1,2-Dichloroethane	11	U	11	20
1,1-Dichloroethene	9.0	U	9.0	20
cis-1,2-Dichloroethene	13	U	13	20
trans-1,2-Dichloroethene	8.8	U	8.8	20
1,2-Dichloropropane	10	U	10	20
cis-1,3-Dichloropropene	2.8	U	2.8	20
trans-1,3-Dichloropropene	2.8	U	2.8	20
Ethylbenzene	31		8.8	20
2-Hexanone	88	U	88	200
Iodomethane	13	U	13	20
4-Methyl-2-pentanone	76	U	76	200
Methylene Chloride	80	U	80	100
Styrene	20	U	20	20
1,1,2,2-Tetrachloroethane	2.8	U	2.8	20
1,1,1,2-Tetrachloroethane	13	U	13	20
Tetrachloroethene	6.8	U	6.8	20
Toluene	29		10	20
1,1,1-Trichloroethane	9.2	U	9.2	20
1,1,2-Trichloroethane	9.4	U	9.4	20
Trichloroethene	5.6	U	5.6	20
Trichlorofluoromethane	20	U	20	20
1,2,3-Trichloropropane	3.0	U	3.0	20

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LCS

Lab Sample ID: 660-3038-2
Client Matrix: Water

Date Sampled: 07/07/2005 1310
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 07/18/2005 1717
Date Prepared: 07/18/2005 1717

Analysis Batch: 660-10478

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1821.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	30	U	30	200
Vinyl chloride	10	U	10	20
Xylenes, Total	71		18	20

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	94	74 - 126
Dibromofluoromethane	103	70 - 130
Toluene-d8	105	77 - 122

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: **TRIP BLANK 8260 APP I**

Lab Sample ID: 660-3038-3TB
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1415
Date Prepared: 07/14/2005 1415

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1412.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: **TRIP BLANK 8260 APP I**

Lab Sample ID: 660-3038-3TB
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/14/2005 1415
Date Prepared: 07/14/2005 1415

Analysis Batch: 660-10201

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1412.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	110	70 - 130
Toluene-d8	120	77 - 122

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LDSS

Lab Sample ID: 660-3038-1
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0823
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S071.D
Initial Weight/Volume: 33.1498 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0032	U	0.0032	0.021
Ethylene Dibromide	0.0092	U	0.0092	0.021

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LCS

Lab Sample ID: 660-3038-2
Client Matrix: Water

Date Sampled: 07/07/2005 1310
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0844
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S072.D
Initial Weight/Volume: 34.3077 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0031	U	0.0031	0.020
Ethylene Dibromide	0.0089	U	0.0089	0.020

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: **TRIP BLANK EDB**

Lab Sample ID: 660-3038-4TB
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

504.1 EDB, DBCP, and 123TCP in Water by Microextraction and Gas Chromatography

Method: 504.1
Preparation: 504.1
Dilution: 1.0
Date Analyzed: 07/15/2005 0905
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S073.D
Initial Weight/Volume: 32.7260 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0032	U	0.0032	0.021
Ethylene Dibromide	0.0093	U	0.0093	0.021

Client Sample ID: LDSS

Lab Sample ID: 660-3038-1
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 5.0
Date Analyzed: 07/13/2005 1158
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	980		1.6	2.5

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 5.0
Date Analyzed: 07/13/2005 1158
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	9.5	U	9.5	50
Arsenic	460		24	50
Barium	3400		6.0	50
Beryllium	3.7	U	3.7	20
Cadmium	3.6	U	3.6	25
Cobalt	140		8.0	50
Chromium	480		8.5	50
Copper	4400		25	100
Iron	1100000		110	250
Nickel	360		24	200
Antimony	160		18	30
Lead	790		8.0	25
Selenium	30	U	30	50
Vanadium	320		13	50
Zinc	1500		30	100

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1331
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.63	I	0.25	1.0

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LDSS

Lab Sample ID: 660-3038-1
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 10
Date Analyzed: 07/12/2005 1647
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	14		0.72	2.0

Client Sample ID: LCS

Lab Sample ID: 660-3038-2
Client Matrix: Water

Date Sampled: 07/07/2005 1310
Date Received: 07/08/2005 0830

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 2.0
Date Analyzed: 07/13/2005 1231
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	880		0.62	1.0

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 2.0
Date Analyzed: 07/13/2005 1231
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Silver	3.8	U	3.8	20
Arsenic	49		9.6	20
Barium	170		2.4	20
Beryllium	1.5	U	1.5	8.0
Cadmium	1.4	U	1.4	10
Cobalt	16	I	3.2	20
Chromium	42		3.4	20
Copper	23	I	10	40
Iron	18000		44	100
Nickel	78	I	9.4	80
Antimony	17		7.2	12
Lead	3.2	U	3.2	10
Selenium	12	U	12	20
Vanadium	23		5.0	20
Zinc	17	I	12	40

200.8 ICPMS Metals by 200.8 CWA-Total Recoverable

Method: 200.8
Preparation: 4.1.4
Dilution: 1.0
Date Analyzed: 07/17/2005 1338
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Thallium	0.25	U	0.25	1.0

Client: HDR Engineering

Job Number: 660-3038-1

Client Sample ID: LCS

Lab Sample ID: 660-3038-2
Client Matrix: Water

Date Sampled: 07/07/2005 1310
Date Received: 07/08/2005 0830

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 07/12/2005 1649
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921

Instrument ID: HydraAA Mercury
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

Field Service / Mobile Lab

Client Sample ID: LDSS

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Oxygen, Dissolved	0		mg/L	1.0	Field	660-	07/07/2005 1255
Turbidity	1100		NTU	1.0	Field	660-	07/07/2005 1255
Field pH	7.17		SU	1.0	Field	660-	07/07/2005 1255
Specific Conductance	7582		umhos/cm	1.0	Field	660-	07/07/2005 1255
Field Temperature	33.4		Degrees C	1.0	Field	660-	07/07/2005 1255

Client Sample ID: LCS

Lab Sample ID:
Client Matrix: Water % Moisture:

Date Sampled: 07/07/2005 1310
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed
Oxygen, Dissolved	0		mg/L	1.0	Field	660-	07/07/2005 1310
Turbidity	9.8		NTU	1.0	Field	660-	07/07/2005 1310
Field pH	6.99		SU	1.0	Field	660-	07/07/2005 1310
Specific Conductance	7017		umhos/cm	1.0	Field	660-	07/07/2005 1310
Field Temperature	34.0		Degrees C	1.0	Field	660-	07/07/2005 1310

General Chemistry

Client Sample ID: LDSS

Lab Sample ID: 660-3038-1
Client Matrix: Water

Date Sampled: 07/07/2005 1255
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	1500		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1513						
Chloride	1100		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10220	Date Analyzed 07/14/2005 1629						
Nitrate Nitrogen	0.10	I	mg/L	0.10	0.50	10	353.2
Anly Batch: 660-9896	Date Analyzed 07/08/2005 1301						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	3300		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

Client Sample ID: LCS

Lab Sample ID: 660-3038-2
Client Matrix: Water

Date Sampled: 07/07/2005 1310
Date Received: 07/08/2005 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia	1200		mg/L	0.040	0.050	1.0	350.1
Anly Batch: 660-10210	Date Analyzed 07/14/2005 1514						
Chloride	880		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-10220	Date Analyzed 07/14/2005 1630						
Nitrate Nitrogen	0.10	U	mg/L	0.10	0.50	10	353.2
Anly Batch: 660-9896	Date Analyzed 07/08/2005 1301						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	3100		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-9995	Date Analyzed 07/11/2005 1010						

DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-3038-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected .
Metals		
	J3	Estimated value; value may not be accurate. The reported value fails to meet the established quality control criteria for either precision or accuracy.
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected .
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-10201

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10201/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1410
Date Prepared: 07/13/2005 1410

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1315.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethylene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-10201

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10201/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1410
Date Prepared: 07/13/2005 1410

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1315.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	74 - 126
Dibromofluoromethane	105	70 - 130
Toluene-d8	119	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10201

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10201/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1027
Date Prepared: 07/13/2005 1027

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1306.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10201/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 1052
Date Prepared: 07/13/2005 1052

Analysis Batch: 660-10201
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG1307.D
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	112	116	62 - 135	4	37		
Chlorobenzene	103	104	72 - 127	1	22		
1,1-Dichloroethylene	107	120	46 - 147	11	30		
Toluene	120	120	68 - 131	0	33		
Trichloroethene	114	120	56 - 143	5	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10201

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-3045-F-1 MS	Analysis Batch: 660-10201	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG1519.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1530		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 1530		

MSD Lab Sample ID:	660-3045-E-1 MSD	Analysis Batch: 660-10201	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG1520.D
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/15/2005 1555		Final Weight/Volume: 5 mL
Date Prepared:	07/15/2005 1555		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	110	114	62 - 135	3	37		
Chlorobenzene	105	107	72 - 127	2	22		
1,1-Dichloroethylene	111	117	46 - 147	6	30		
Toluene	122	125	68 - 131	2	33		
Trichloroethene	112	115	56 - 143	3	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-10478

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10478/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/18/2005 1619
Date Prepared: 07/18/2005 1619

Analysis Batch: 660-10478
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.27	U	0.27	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	0.66	U	0.66	1.0
Methyl Ethyl Ketone	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromochloromethane	0.58	U	0.58	1.0
Chloroethane	0.80	U	0.80	1.0
Chloroform	0.90	U	0.90	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
Chloromethane	0.64	U	0.64	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Methylene bromide	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	0.67	U	0.67	1.0
4-Methyl-2-pentanone	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	1.0
1,1,2,2-Tetrachloroethane	0.14	U	0.14	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.34	U	0.34	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.28	U	0.28	1.0
Trichlorofluoromethane	0.98	U	0.98	1.0
1,2,3-Trichloropropane	0.15	U	0.15	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-10478

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-10478/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/18/2005 1619
Date Prepared: 07/18/2005 1619

Analysis Batch: 660-10478
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	93	74 - 126
Dibromofluoromethane	108	70 - 130
Toluene-d8	106	77 - 122

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10478

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-10478/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/18/2005 1325
Date Prepared: 07/18/2005 1325

Analysis Batch: 660-10478
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1809.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-10478/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/18/2005 1541
Date Prepared: 07/18/2005 1541

Analysis Batch: 660-10478
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH GC/MS
Lab File ID: 2HG1816.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	118	106	62 - 135	11	37		
Chlorobenzene	107	101	72 - 127	6	22		
1,1-Dichloroethene	111	96	46 - 147	14	30		
Toluene	110	103	68 - 131	7	33		
Trichloroethene	112	102	56 - 143	9	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10478

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	660-3011-J-1 MS	Analysis Batch: 660-10478	Instrument ID: BVMH GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1HG1908.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/19/2005 1221		Final Weight/Volume: 5 mL
Date Prepared:	07/19/2005 1221		

MSD Lab Sample ID:	660-3011-K-1 MSD	Analysis Batch: 660-10478	Instrument ID: BVMH GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1HG1909.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/19/2005 1240		Final Weight/Volume: 5 mL
Date Prepared:	07/19/2005 1240		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	97	105	62 - 135	7	37		
Chlorobenzene	99	103	72 - 127	4	22		
1,1-Dichloroethene	95	96	46 - 147	1	30		
Toluene	97	100	68 - 131	3	33		
Trichloroethene	95	100	56 - 143	5	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-10254

Method: 504.1
Preparation: 504.1

Lab Sample ID: MB 660-10254/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 2340
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S046.D
Initial Weight/Volume: 34.6496 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0030	U	0.0030	0.020
Ethylene Dibromide	0.0088	U	0.0088	0.020

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

LCS Lab Sample ID: LCS 660-10254/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0000
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S047.D
Initial Weight/Volume: 34.4460 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 660-10254/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2005 0021
Date Prepared: 07/14/2005 1300

Analysis Batch: 660-10275
Prep Batch: 660-10254
Units: ug/L

Instrument ID: HP 5890 Series II ECD1/2
Lab File ID: 1G14S048.D
Initial Weight/Volume: 35.0693 g
Final Weight/Volume: 3 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dibromo-3-Chloropropane	109	113	70 - 130	1	30		
Ethylene Dibromide	98	101	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10254

Method: 504.1
Preparation: 504.1

MS Lab Sample ID:	660-3044-I-1-B MS	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S050.D
Dilution:	1.0		Initial Weight/Volume: 35.4480 g
Date Analyzed:	07/15/2005 0103		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	660-3044-I-1-C MSD	Analysis Batch: 660-10275	Instrument ID: HP 5890 Series II ECD1/2
Client Matrix:	Water	Prep Batch: 660-10254	Lab File ID: 1G14S051.D
Dilution:	1.0		Initial Weight/Volume: 34.7048 g
Date Analyzed:	07/15/2005 0124		Final Weight/Volume: 3 mL
Date Prepared:	07/14/2005 1300		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromo-3-Chloropropane	107	106	70 - 130	1	30		
Ethylene Dibromide	108	107	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9985/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0928
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-9985/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0928
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	1.9	U	1.9	10
Arsenic	4.8	U	4.8	10
Barium	1.2	U	1.2	10
Beryllium	0.74	U	0.74	4.0
Cadmium	0.71	U	0.71	5.0
Cobalt	1.6	U	1.6	10
Chromium	1.7	U	1.7	10
Copper	5.0	U	5.0	20
Iron	22	U	22	50
Nickel	4.7	U	4.7	40
Antimony	3.6	U	3.6	6.0
Lead	1.6	U	1.6	5.0
Selenium	5.9	U	5.9	10
Vanadium	2.5	U	2.5	10
Zinc	5.9	U	5.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-9985/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0934
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9985/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2005 0940
Date Prepared: 07/12/2005 1136

Analysis Batch: 660-10101
Prep Batch: 660-9985
Units: ug/L

Instrument ID: TJA ICP TRACE
Lab File ID: 5G13A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	101	101	85 - 115	0	20		
Arsenic	99	99	85 - 115	0	20		
Barium	100	100	85 - 115	0	20		
Beryllium	99	99	85 - 115	0	20		
Cadmium	101	101	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	101	101	85 - 115	0	20		
Copper	103	103	85 - 115	0	20		
Iron	102	103	85 - 115	1	20		
Sodium	103	102	85 - 115	0	20		
Nickel	104	103	85 - 115	1	20		
Antimony	95	95	85 - 115	0	20		
Lead	101	101	85 - 115	0	20		
Selenium	102	101	85 - 115	1	20		
Vanadium	102	102	85 - 115	1	20		
Zinc	107	106	85 - 115	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9985

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-2975-C-10-H MS*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9985	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 0958		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 1136		

MSD Lab Sample ID:	660-2975-C-10-I MSD*R	Analysis Batch: 660-10101	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-9985	Lab File ID: 5G13A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/13/2005 1004		Final Weight/Volume: 50 mL
Date Prepared:	07/12/2005 1136		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	101	101	85 - 115	1	20		
Arsenic	99	99	85 - 115	1	20		
Barium	96	98	85 - 115	1	20		
Beryllium	100	101	85 - 115	1	20		
Cadmium	100	100	85 - 115	0	20		
Cobalt	101	101	85 - 115	0	20		
Chromium	102	102	85 - 115	0	20		
Copper	104	105	85 - 115	1	20		
Iron	82	82	85 - 115	0	20	J3	J3
Sodium	127	129	85 - 115	1	20	J3	J3
Nickel	102	102	85 - 115	0	20		
Antimony	95	96	85 - 115	0	20		
Lead	100	101	85 - 115	0	20		
Selenium	101	101	85 - 115	1	20		
Vanadium	103	104	85 - 115	1	20		
Zinc	107	106	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

Lab Sample ID: MB 680-16069/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1240
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Thallium	0.25	U	0.25	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

LCS Lab Sample ID: LCS 680-16069/12-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1248
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 680-16069/13-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/17/2005 1255
Date Prepared: 07/14/2005 1504

Analysis Batch: 680-16346
Prep Batch: 680-16069
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	93	95	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-16069

Method: 200.8
Preparation: 4.1.4
Total Recoverable

MS Lab Sample ID:	660-3045-D-3-B MS*R	Analysis Batch: 680-16346	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-16069	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 1422		Final Weight/Volume: 250 mL
Date Prepared:	07/14/2005 1504		

MSD Lab Sample ID:	660-3045-D-3-C MSD*R	Analysis Batch: 680-16346	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-16069	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/17/2005 1429		Final Weight/Volume: 250 mL
Date Prepared:	07/14/2005 1504		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Thallium	95	97	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-9921

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-9921/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1600
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 660-9921/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1602
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-9921/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2005 1604
Date Prepared: 07/11/2005 1325

Analysis Batch: 660-10032
Prep Batch: 660-9921
Units: ug/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	94	96	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9921

Method: 245.1
Preparation: 245.1

MS Lab Sample ID:	660-3044-C-1-B MS	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyz
Client Matrix:	Water	Prep Batch: 660-9921	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1609		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1325		

MSD Lab Sample ID:	660-3044-C-1-C MSD	Analysis Batch: 660-10032	Instrument ID: HydraAA Mercury Analyzer
Client Matrix:	Water	Prep Batch: 660-9921	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/12/2005 1611		Final Weight/Volume: 50 mL
Date Prepared:	07/11/2005 1325		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	94	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-9995

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-9995/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9995

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-9995/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-9995/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2005 1010
Date Prepared: N/A

Analysis Batch: 660-9995
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	100	100	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9995

Method: 160.1
Preparation: N/A

MS Lab Sample ID:	660-2975-A-1 MS	Analysis Batch: 660-9995	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1010		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-2975-A-1 MSD	Analysis Batch: 660-9995	Instrument ID: Wet Chemistry Balance 1
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/11/2005 1010		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Dissolved Solids	101	102	80 - 120	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-10220

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 660-10220/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1557
Date Prepared: N/A

Analysis Batch: 660-10220
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.90	U	0.90	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10220

Method: 325.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-10220/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1558
Date Prepared: N/A

Analysis Batch: 660-10220
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10220/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1559
Date Prepared: N/A

Analysis Batch: 660-10220
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	102	103	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10220

Method: 325.2
Preparation: N/A

MS Lab Sample ID:	660-3018-B-1 MS	Analysis Batch: 660-10220	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 2 mL
Date Analyzed:	07/14/2005 1600		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3018-B-1 MSD	Analysis Batch: 660-10220	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 2 mL
Date Analyzed:	07/14/2005 1601		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	97	100	90 - 110	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-10210

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-10210/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1256
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-10210/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1258
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-10210/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2005 1300
Date Prepared: N/A

Analysis Batch: 660-10210
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 2 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	99	93	85 - 115	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-10210

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-3023-C-1 MS	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1303		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3023-C-1 MSD	Analysis Batch: 660-10210	Instrument ID: Seal Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	07/14/2005 1305		Final Weight/Volume: 2 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	108	117	85 - 115	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-3038-1

Method Blank - Batch: 660-9896

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-9896/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1301
Date Prepared: N/A

Analysis Batch: 660-9896
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrogen	0.010	U	0.010	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-9896

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-9896/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1301
Date Prepared: N/A

Analysis Batch: 660-9896
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 660-9896/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2005 1301
Date Prepared: N/A

Analysis Batch: 660-9896
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrogen	99	97	80 - 120	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-3038-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-9896

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-3018-B-3 MS	Analysis Batch: 660-9896	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/08/2005 1301		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-3018-B-3 MSD	Analysis Batch: 660-9896	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/08/2005 1301		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrogen	93	92	80 - 120	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 24204

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

(X) STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

( ) Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: CITY OF JACKSONVILLE	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY (X) DATE DUE
CLIENT (SITE) PM: AL BURSON	CLIENT PHONE: 904 289 7792	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ( ) DATE DUE
CLIENT NAME: TRAIL RIDGE	CLIENT E-MAIL		
CLIENT ADDRESS: 5110 HWY 301, BALDWIN, FL 32234			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT,...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	Cl, NO3, TDS (None)	T-NH3 (H2SO4)	APP I Metals + Fe, Hg, Na (HNO3)	8260 App I (HCl)	EDB						REMARKS
7-7	1255	LDSS	C	X				1	1	1	3	3						
7-7	1310	LCS	G	X				1	1	1	3	3						
7-7	–	TRIP	G	X							3	3						

PRESERVATIVE

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature] EMPTY CONTAINERS	7/1/05	1400	[signature]	7-7-05	2000			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
[signature]	7-8-05	0830 ~~0830~~ (CW 7-8-05)	YES (X) NO ( )	N/S	660-3038	4

STL8240 660 (12/02)

Appendix H

STL Laboratory Reports – Resample

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-4800-1

Job Description: Trail Ridge

For:

HDR Engineering
200 W. Forsyth St., Suite 800
Jacksonville, FL 32202

Attention: Mr. Brad Stone

Nancy Robertson
Project Manager I
nrobertson@stl-inc.com
10/19/2005

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

SEVERN TRENT STL

EXECUTIVE SUMMARY - Detections

Client: HDR Engineering

Job Number: 660-4800-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-4800-1	**MWB 34S**					
Benzene		0.63	I	1.0	ug/L	8260B
Total Dissolved Solids		600		5.0	mg/L	160.1
Chloride		120		1.0	mg/L	325.2
Ammonia		27		1.3	mg/L	350.1
Total Recoverable						
Sodium		110		0.50	mg/L	200.7 Rev 4.4

SEVERN TRENT STL

METHOD / ANALYST SUMMARY

Client: HDR Engineering

Job Number: 660-4800-1

Method	Analyst	Analyst ID
SW846 8260B	Jacobs, Alan	AJ
EPA 200.7 Rev 4.4	Fox, Greg	GF
MCAWW 160.1	Mostafavifar, Efe	EM
MCAWW 325.2	Myers, Randy	RM
MCAWW 350.1	Myers, Randy	RM

SEVERN TRENT STL

SAMPLE SUMMARY

Client: HDR Engineering

Job Number: 660-4800-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-4800-1	MWB 34S	Water	10/13/2005 1040	10/14/2005 1541
660-4800-2	MWB 34D	Water	10/13/2005 1050	10/14/2005 1541
660-4800-3	MWB 32S	Water	10/13/2005 1125	10/14/2005 1541
660-4800-4	MWB 21S	Water	10/13/2005 1152	10/14/2005 1541
660-4800-5	SW-1	Water	10/13/2005 1220	10/14/2005 1541
660-4800-6TB	TRIP	Water	10/13/2005 1040	10/14/2005 1541

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-4800-1

Client Sample ID: MWB 34S

Lab Sample ID: 660-4800-1
Client Matrix: Water

Date Sampled: 10/13/2005 1040
Date Received: 10/14/2005 1541

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/18/2005 0247
Date Prepared: 10/18/2005 0247

Analysis Batch: 660-14582

Instrument ID: BVMG GC/MS
Lab File ID: 2GJ1715.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Benzene	0.63	I	0.27	1.0
Acetone	9.9	U	9.9	20
Methyl Ethyl Ketone	8.4	U	8.4	10

Surrogate	%Rec	Acceptance Limits
Toluene-d8	92	77 - 122
4-Bromofluorobenzene	80	74 - 126
Dibromofluoromethane	95	70 - 130

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-4800-1

Client Sample ID: **MWB 34D**

Lab Sample ID: 660-4800-2
Client Matrix: Water

Date Sampled: 10/13/2005 1050
Date Received: 10/14/2005 1541

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/18/2005 0312
Date Prepared: 10/18/2005 0312

Analysis Batch: 660-14582

Instrument ID: BVMG GC/MS
Lab File ID: 2GJ1716.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Benzene	0.27	U	0.27	1.0
Toluene	0.51	U	0.51	1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8	88	77 - 122
4-Bromofluorobenzene	78	74 - 126
Dibromofluoromethane	90	70 - 130

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-4800-1

Client Sample ID: MWB 32S

Lab Sample ID: 660-4800-3
Client Matrix: Water

Date Sampled: 10/13/2005 1125
Date Received: 10/14/2005 1541

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/18/2005 0337
Date Prepared: 10/18/2005 0337

Analysis Batch: 660-14582

Instrument ID: BVMG GC/MS
Lab File ID: 2GJ1717.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Methyl Ethyl Ketone	8.4	U	8.4	10

Surrogate	%Rec	Acceptance Limits
Toluene-d8	90	77 - 122
4-Bromofluorobenzene	77	74 - 126
Dibromofluoromethane	90	70 - 130

Analytical Data

Client: HDR Engineering

Job Number: 660-4800-1

Client Sample ID: MWB 21S

Lab Sample ID: 660-4800-4
Client Matrix: Water

Date Sampled: 10/13/2005 1152
Date Received: 10/14/2005 1541

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/18/2005 0402
Date Prepared: 10/18/2005 0402

Analysis Batch: 660-14582

Instrument ID: BVMG GC/MS
Lab File ID: 2GJ1718.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Toluene	0.51	U	0.51	1.0
Acetone	9.9	U	9.9	20

Surrogate	%Rec	Acceptance Limits
Toluene-d8	88	77 - 122
4-Bromofluorobenzene	78	74 - 126
Dibromofluoromethane	90	70 - 130

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-4800-1

Client Sample ID: SW-1

Lab Sample ID: 660-4800-5
Client Matrix: Water

Date Sampled: 10/13/2005 1220
Date Received: 10/14/2005 1541

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/18/2005 0427
Date Prepared: 10/18/2005 0427

Analysis Batch: 660-14582

Instrument ID: BVMG GC/MS
Lab File ID: 2GJ1719.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Toluene	0.51	U	0.51	1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8	88	77 - 122
4-Bromofluorobenzene	77	74 - 126
Dibromofluoromethane	92	70 - 130

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-4800-1

Client Sample ID: TRIP

Lab Sample ID: 660-4800-6TB
Client Matrix: Water

Date Sampled: 10/13/2005 1040
Date Received: 10/14/2005 1541

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/18/2005 0133
Date Prepared: 10/18/2005 0133

Analysis Batch: 660-14582

Instrument ID: BVMG GC/MS
Lab File ID: 2GJ1712.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Benzene	0.27	U	0.27	1.0
Toluene	0.51	U	0.51	1.0
Acetone	9.9	U	9.9	20
Methyl Ethyl Ketone	8.4	U	8.4	10

Surrogate	%Rec	Acceptance Limits
Toluene-d8	93	77 - 122
4-Bromofluorobenzene	80	74 - 126
Dibromofluoromethane	95	70 - 130

SEVERN TRENT STL

Analytical Data

Client: HDR Engineering

Job Number: 660-4800-1

Client Sample ID: MWB 34S

Lab Sample ID: 660-4800-1
Client Matrix: Water

Date Sampled: 10/13/2005 1040
Date Received: 10/14/2005 1541

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 660-14622		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-14558		Lab File ID:	5J19A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/19/2005 0916			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2005 1013				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	110		0.31	0.50

Method:	200.7 Rev 4.4	Analysis Batch: 660-14622		Instrument ID:	TJA ICP TRACE
Preparation:	200.7 Appx C	Prep Batch: 660-14558		Lab File ID:	5J19A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/19/2005 0916			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2005 1013				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	4.8	U	4.8	10
Antimony	3.6	U	3.6	6.0

Client: HDR Engineering

Job Number: 660-4800-1

General Chemistry

Client Sample ID: MWB 34S

Lab Sample ID: 660-4800-1
Client Matrix: Water

Date Sampled: 10/13/2005 1040
Date Received: 10/14/2005 1541

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	120		mg/L	0.90	1.0	1.0	325.2
Anly Batch: 660-14544	Date Analyzed 10/17/2005 2112						
Ammonia	27		mg/L	1.0	1.3	25	350.1
Anly Batch: 660-14546	Date Analyzed 10/18/2005 0015						

Analyte	Result	Qual	Units	RL	PQL	Dil	Method
Total Dissolved Solids	600		mg/L	5.0	5.0	1.0	160.1
Anly Batch: 660-14590	Date Analyzed 10/17/2005 1400						

SEVERN TRENT STL

DATA REPORTING QUALIFIERS

Client: HDR Engineering

Job Number: 660-4800-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Metals		
	U	Indicates that the compound was analyzed for but not detected.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected.

Client: HDR Engineering

Job Number: 660-4800-1

Method Blank - Batch: 660-14582

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-14582/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 0950
Date Prepared: 10/17/2005 0950

Analysis Batch: 660-14582
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMG GC/MS
Lab File ID: 1GJ1705.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Benzene	0.27	U	0.27	1.0
Toluene	0.51	U	0.51	1.0
Acetone	9.9	U	9.9	20
Methyl Ethyl Ketone	8.4	U	8.4	10

Surrogate	% Rec	Acceptance Limits
Toluene-d8	103	77 - 122
4-Bromofluorobenzene	87	74 - 126
Dibromofluoromethane	107	70 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-14582

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 660-14582/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 1015
Date Prepared: 10/17/2005 1015

Analysis Batch: 660-14582
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMG GC/MS
Lab File ID: 1GJ1706.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 660-14582/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 1040
Date Prepared: 10/17/2005 1040

Analysis Batch: 660-14582
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMG GC/MS
Lab File ID: 1GJ1707.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	101	102	62 - 135	0	37		
Toluene	97	98	68 - 131	1	33		

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

Quality Control Results

Client: HDR Engineering

Job Number: 660-4800-1

Method Blank - Batch: 660-14590

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 660-14590/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 1400
Date Prepared: N/A

Analysis Batch: 660-14590
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-14590

Method: 160.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-14590/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 1400
Date Prepared: N/A

Analysis Batch: 660-14590
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 660-14590/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 1400
Date Prepared: N/A

Analysis Batch: 660-14590
Prep Batch: N/A
Units: mg/L

Instrument ID: Wet Chemistry Balance 1
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	98	97	80 - 120	1	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: HDR Engineering

Job Number: 660-4800-1

Method Blank - Batch: 660-14544

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 660-14544/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 2048
Date Prepared: N/A

Analysis Batch: 660-14544
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.90	U	0.90	1.0

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-14544

Method: 325.2
Preparation: N/A

LCS Lab Sample ID: LCS 660-14544/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 2049
Date Prepared: N/A

Analysis Batch: 660-14544
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-14544/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 2050
Date Prepared: N/A

Analysis Batch: 660-14544
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	99	98	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: HDR Engineering

Job Number: 660-4800-1

Method Blank - Batch: 660-14546

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-14546/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 2300
Date Prepared: N/A

Analysis Batch: 660-14546
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.040	U	0.040	0.050

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 660-14546

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 660-14546/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 2302
Date Prepared: N/A

Analysis Batch: 660-14546
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

LCSD Lab Sample ID: LCSD 660-14546/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/17/2005 2304
Date Prepared: N/A

Analysis Batch: 660-14546
Prep Batch: N/A
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	103	99	90 - 110	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 30917

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
CITY OF JACKSONVILLE		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
Ben Ramjeawan		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
BRAD STONE	904 598 8953	
CLIENT NAME	CLIENT E-MAIL	
TRAIL RIDGE WASTE MANAGEMENT		
CLIENT ADDRESS		
5110 HWY 30 BALDWIN FL 32234		
COMPANY CONTRACTING THIS WORK (if applicable)		
PRO-TECH		

PAGE 1 OF

STANDARD REPORT DELIVERY ( )
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) (X)
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	MATRIX TYPE: SOLID OR SEMISOLID	MATRIX TYPE: AIR	MATRIX TYPE: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: VOA	METALS	AMMONIA	TDS; CL	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/13/05	1040	MWB 34S		X				3	1	1	1					3	
10/13/05	1050	MWB 34D		X				3								3	
10/13/05	1125	MWB 32S		X				3								3	
10/13/05	1152	MWB 21S		X				3								3	
10/13/05	1220	SW-1		X				3								3	
10/13/05	—	TRIP		X				3								3	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	10/12/05	1600	Ben Ramjeawan	10/13/05				
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS				0925				

SEVERN TRENT STL — FOR LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY SEAL INTACT	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	10/14/05	0925	YES ( ) NO ( )		1800	

STL 8240-660 (12/02)

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SEVERN TRENT STL

LOGIN SAMPLE RECEIPT CHECK LIST

Client: HDR Engineering

Job Number: 660-4800-1

Login Number: 4800

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present	True	
Samples do not require splitting or compositing	True	

Appendix I

FDEP Parameter Monitoring Report Forms - Resample

Facility Name: Trail Ridge Landfill

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 20108

WACS Testsite Name: MWB 34S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 10/13/2005 10:40:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
070300	Total Dissolved Solids	N	E84282	160.1	10/17/2005 2:00:00PM	600	5	mg/L	
081595	Methyl Ethyl Ketone	N	E84282	8260B	10/18/2005 2:47:00AM	8.4	8.4	ug/L	U
081552	Acetone	N	E84282	8260B	10/18/2005 2:47:00AM	9.9	9.9	ug/L	U
000929	Sodium	N	E84282	200.7 Rev 4.4	10/19/2005 9:16:00AM	110	0.31	mg/L	
001002	Arsenic	N	E84282	200.7 Rev 4.4	10/19/2005 9:16:00AM	4.8	4.8	ug/L	U
001097	Antimony	N	E84282	200.7 Rev 4.4	10/19/2005 9:16:00AM	3.6	3.6	ug/L	U
000940	Chloride	N	E84282	325.2	10/17/2005 9:12:00PM	120	0.9	mg/L	
078124	Benzene	N	E84282	8260B	10/18/2005 2:47:00AM	0.63	0.27	ug/L	I
072020	Water Level	N	E84282	Field Sampling	10/13/2005 10:40:00AM	116.52		ft	
082079	Turbidity	N	E84282	Field Sampling	10/13/2005 10:40:00AM	9.4		NTU	
000094	Specific Conductance	N	E84282	Field Sampling	10/13/2005 10:40:00AM	1133		umhos/cm	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	10/13/2005 10:40:00AM	1.2		mg/L	
000010	Field Temperature	N	E84282	Field Sampling	10/13/2005 10:40:00AM	25.2		Degrees C	
[illegible]06	Field pH	N	E84282	Field Sampling	10/13/2005 10:40:00AM	6		SU	
[illegible]12	Ammonia	N	E84282	350.1	10/18/2005 12:15:00AM	27	1	mg/L	

Total Parameters Monitored: 15

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: Trail Ridge Landfill

PARAMETER MONITORING REPORT
Rule 62-701
WACS Report Type: SEMGW
Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628
WACS Testsite ID #: 0
WACS Testsite Name: MWB 34D
Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 10/13/2005 10:50:00AM
Sampling Method: Unknown
Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
000406	Field pH	N	E84282	Field Sampling	10/13/2005 10:50:00AM	7.11		SU	
000010	Field Temperature	N	E84282	Field Sampling	10/13/2005 10:50:00AM	21.8		Degrees C	
000094	Specific Conductance	N	E84282	Field Sampling	10/13/2005 10:50:00AM	406		umhos/cm	
034010	Toluene	N	E84282	8260B	10/18/2005 3:12:00AM	0.51	0.51	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	10/13/2005 10:50:00AM	0.1		NTU	
078124	Benzene	N	E84282	8260B	10/18/2005 3:12:00AM	0.27	0.27	ug/L	U
072020	Water Level	N	E84282	Field Sampling	10/13/2005 10:50:00AM	117.22		ft	

Total Parameters Monitored: 7

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: Trail Ridge Landfill

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628

WACS Testsite ID #: 0

WACS Testsite Name: MWB 32S

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

Sample Date/Time: 10/13/2005 11:25:00AM

Sampling Method: Unknown

Permitted Well Type: DE

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
072020	Water Level	N	E84282	Field Sampling	10/13/2005 11:25:00AM	116.52		ft	
000406	Field pH	N	E84282	Field Sampling	10/13/2005 11:25:00AM	5.04		SU	
081552	Acetone	N	E84282	8260B	10/18/2005 3:37:00AM	9.9	9.9	ug/L	U
082079	Turbidity	N	E84282	Field Sampling	10/13/2005 11:25:00AM	29.5		NTU	
000094	Specific Conductance	N	E84282	Field Sampling	10/13/2005 11:25:00AM	97		umhos/cm	
000010	Field Temperature	N	E84282	Field Sampling	10/13/2005 11:25:00AM	23.7		Degrees C	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	10/13/2005 11:25:00AM	0.9		mg/L	
081595	Methyl Ethyl Ketone	N	E84282	8260B	10/18/2005 3:37:00AM	8.4	8.4	ug/L	U

Total Parameters Monitored: 8

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: Trail Ridge Landfill

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628

Sample Date/Time: 10/13/2005 11:52:00AM

WACS Testsite ID #: 17200

Sampling Method: Unknown

WACS Testsite Name: MWB 21S

Permitted Well Type: CO

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): Y

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
000010	Field Temperature	N	E84282	Field Sampling	10/13/2005 11:52:00AM	25.3		Degrees C	
000406	Field pH	N	E84282	Field Sampling	10/13/2005 11:52:00AM	5.78		SU	
034010	Toluene	N	E84282	8260B	10/18/2005 4:02:00AM	0.51	0.51	ug/L	U
081552	Acetone	N	E84282	8260B	10/18/2005 4:02:00AM	9.9	9.9	ug/L	U
072020	Water Level	N	E84282	Field Sampling	10/13/2005 11:52:00AM	113.66		ft	
082079	Turbidity	N	E84282	Field Sampling	10/13/2005 11:52:00AM	2.9		NTU	
000094	Specific Conductance	N	E84282	Field Sampling	10/13/2005 11:52:00AM	175		umhos/cm	
000299	Oxygen, Dissolved	N	E84282	Field Sampling	10/13/2005 11:52:00AM	0.9		mg/L	

Total Parameters Monitored: 8

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

Form Produced by FDEP Validator software

Facility Name: Trail Ridge Landfill

PARAMETER MONITORING REPORT

Rule 62-701

WACS Report Type: SEMGW

Description: Semiannual Gw: 62-701.510(8)(A) (1 Pages)

WACS Facility ID #: 33628

Sample Date/Time: 10/13/2005 10:40:00AM

WACS Testsite ID #: 0

Sampling Method: Unknown

WACS Testsite Name: TRIP

Permitted Well Type: OT

Water Classification: G-II
(i.e.: LC - Leachate, G-II, SW-IIIF)

* Well Purged prior to Sample Collection? (Y/N): N

(AS) Assessment
(BG) Background
(CO) Compliance
(DE) Detection
(DG) Downgradient
(IM) Intermediate
(IW) Irrigation Well
(OT) Other
(PZ) Piezometer
(SO) Source
(UP) Upgradient
(WS) Water Supply

STORET Code	Parameter Monitored	Field Filtered (Y/N)	NELAC Lab Certification # (DOHE)	Analysis Method	Analysis Date/Time	Analysis Result	Detection Limit	Units	Qual
081552	Acetone	N	E84282	8260B	10/18/2005 1:33:00AM	9.9	9.9	ug/L	U
078124	Benzene	N	E84282	8260B	10/18/2005 1:33:00AM	0.27	0.27	ug/L	U
081595	Methyl Ethyl Ketone	N	E84282	8260B	10/18/2005 1:33:00AM	8.4	8.4	ug/L	U
034010	Toluene	N	E84282	8260B	10/18/2005 1:33:00AM	0.51	0.51	ug/L	U

Total Parameters Monitored: 4

* Well purging is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

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