ENVIRONMENTAL SAMPLING CORPORATION

July 2, 1996

Ms. Theresa Evanson
Wisconsin Dept. of Natural Resources
101 S. Webster St.
P.O. Box 7921
Madison, WI 53707

RE: Refuse Hideaway Landfill Status Report

Dear Terry:

Attached please find ESC's May, 1996 status report, analytical data and invoice for services performed at Refuse Hideaway Landfill. Groundwater elevations are summarized on the enclosed table. Also, please provide me with a list of the WDNR Well ID numbers for the residential and monitoring wells so I may update our records.

If you have any questions or comments, please call me at 414/895-3157.

Sincerely,

Frank Perugini
Director of Operations

ESC\STATUSRP\RHL596.DOC

P.O. Box 12 • Muskego, WI 53150-0012 • (414) 895-3157 • FAX (414) 895-6074

SECTION 1
VOC-8260

Section 1

VOC-8260

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-17S NLS#: 106562
Ref. Line 1 of COC 19840 Description: P-17S
Collected: 05/28/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/05/96

Sample ID: P-20SR NLS#: 106563
Ref. Line 2 of COC 19840 Description: P-20SR
Collected: 05/28/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

Sample ID: P-21S NLS#: 106564
Ref. Line 3 of COC 19840 Description: P-21S
Collected: 05/28/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

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ANALYTICAL REPORT

 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-31S **NLS#: 106565**
Ref. Line 4 of COC 19840 Description: P-31S
Collected: 05/28/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

Sample ID: P-31IA **NLS#: 106566**
Ref. Line 5 of COC 19840 Description: P-31IA
Collected: 05/28/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

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ANALYTICAL REPORT

 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-31D **NLS#: 106567**
Ref. Line 6 of COC 19840 Description: P-31D
Collected: 05/28/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

Sample ID: P-31IB **NLS#: 106568**
Ref. Line 7 of COC 19840 Description: P-31IB
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

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 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
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Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-40D **NLS#: 106569**
Ref. Line 8 of COC 19840 Description: P-40D
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

Sample ID: P-40I **NLS#: 106570**
Ref. Line 9 of COC 19840 Description: P-40I
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/05/96

Sample ID: P-30D **NLS#: 106571**
Ref. Line 10 of COC 19840 Description: P-30D
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached **Additional Comments:** Chloromethane was present in the method blank and sample as a low level background contribution.				SW846 8260	06/05/96

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ANALYTICAL REPORT

 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-34S **NLS#: 106572**
Ref. Line 11 of COC 19840 Description: P-34S
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

Sample ID: P-34D **NLS#: 106573**
Ref. Line 12 of COC 19840 Description: P-34D
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

Sample ID: P-29S **NLS#: 106574**
Ref. Line 1 of COC 19841 Description: P-29S
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

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ANALYTICAL REPORT

 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-27D **NLS#: 106575**
Ref. Line 2 of COC 19841 Description: P-27D
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

Sample ID: P-27S **NLS#: 106576**
Ref. Line 3 of COC 19841 Description: P-27S
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

Sample ID: P-35S **NLS#: 106577**
Ref. Line 4 of COC 19841 Description: P-35S
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

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ANALYTICAL REPORT

 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-35D **NLS#: 106578**
Ref. Line 5 of COC 19841 Description: P-35D
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

Sample ID: P-22S **NLS#: 106579**
Ref. Line 6 of COC 19841 Description: P-22S
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

Sample ID: P-22D **NLS#: 106580**
Ref. Line 7 of COC 19841 Description: P-22D
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

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ANALYTICAL REPORT

 NLS PROJECT# 27507

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: Dup01/P22D NLS#: 106581
Ref. Line 8 of COC 19841 Description: Dup01/P22D
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	06/06/96

Sample ID: Trip Blank NLS#: 106582
Ref. Line 9 of COC 19841 Description: Trip Blank
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				EPA 8260	06/07/96

Please note that analytical results greater than the MDL but less than the LOQ are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation".

MDL = Method Detection Limit LOQ = Limit of Quantitation ND = Not Detected Date = Date Analysis Performed
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB)/10000

Terry Bock
Reviewed by:

Authorized by:
R. T. Krueger
Laboratory Manager

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106562 P-17S ug/L
Benzene	0.20	0.71	0.70
Bromobenzene	0.33	1.2	ND
Bromochloromethane	0.28	1.0	ND
Bromodichloromethane	0.19	0.67	ND
Bromoform	0.28	1.0	ND
Bromomethane	0.45	1.6	ND
n-Butylbenzene	0.33	1.2	ND
sec-Butylbenzene	0.29	1.0	ND
tert-Butylbenzene	0.38	1.3	ND
Carbon Tetrachloride	0.30	1.1	ND
Chlorobenzene	0.30	1.1	ND
Chloroethane	11	40	ND
Chloroform	0.37	1.3	ND
Chloromethane	0.31	1.1	0.52
2-Chlorotoluene	0.27	0.96	ND
4-Chlorotoluene	0.36	1.3	ND
Dibromochloromethane	0.21	0.76	ND
1,2-Dibromo-3-Chloropropane	0.32	1.1	ND
1,2-Dibromoethane	0.25	0.90	ND
Dibromomethane	0.28	1.0	ND
1,2-Dichlorobenzene	0.31	1.1	ND
1,3-Dichlorobenzene	0.38	1.4	ND
1,4-Dichlorobenzene	0.52	1.8	3.2
Dichlorodifluoromethane	0.37	1.3	0.73
1,1-Dichloroethane	0.20	0.69	6.0
1,2-Dichloroethane	0.29	1.0	1.4
1,1-Dichloroethene	0.29	1.0	ND
cis-1,2-Dichloroethene	0.32	1.1	92
trans-1,2-Dichloroethene	0.26	0.92	0.34
1,2-Dichloropropane	0.21	0.73	3.6
1,3-Dichloropropane	0.22	0.78	ND
2,2-Dichloropropane	0.42	1.5	ND
1,1-Dichloropropene	0.20	0.71	ND
cis-1,3-Dichloropropene	0.29	1.0	ND
trans-1,3-Dichloropropene	0.30	1.1	ND
Ethylbenzene	0.28	0.98	0.70
Hexachlorobutadiene	0.32	1.2	ND
Isopropylbenzene	0.23	0.80	ND
p-Isopropyltoluene	0.36	1.3	ND
Methylene chloride	0.20	0.70	ND
Naphthalene	0.56	2.0	ND
n-Propylbenzene	0.44	1.6	ND
Styrene	0.48	1.7	ND
1,1,1,2-Tetrachloroethane	0.27	0.97	ND
1,1,2,2-Tetrachloroethane	0.35	1.2	ND
Tetrachloroethene	0.31	1.1	9.2
Toluene	0.21	0.72	0.68
1,2,3-Trichlorobenzene	0.39	1.4	ND
1,2,4-Trichlorobenzene	0.46	1.6	ND
1,1,1-Trichloroethane	0.26	0.93	ND
1,1,2-Trichloroethane	0.35	1.2	ND
Trichloroethene	0.25	0.90	17
Trichlorofluoromethane	0.71	2.5	ND
1,2,3-Trichloropropane	0.54	1.9	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106562 P-17S ug/L
1,2,4-Trimethylbenzene	0.35	1.2	0.41
1,3,5-Trimethylbenzene	0.28	0.99	ND
Vinyl chloride	0.26	0.92	4.4
ortho-Xylene	0.54	1.9	ND
meta,para-Xylene	0.50	1.8	ND

Surrogate Recovery on Dibromofluoromethane = 104 %
Surrogate Recovery on d8-Toluene = 107 %
Surrogate Recovery on Bromofluorobenzene = 106 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106563 P-20SR ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.034
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	0.81
1,1-Dichloroethane	0.020	0.069	0.025
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	0.13
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	3.2
Toluene	0.021	0.072	0.021
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	0.17
Trichlorofluoromethane	0.071	0.25	0.16
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106563 P-20SR ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 98.1 %
Surrogate Recovery on d8-Toluene = 98.5 %
Surrogate Recovery on Bromofluorobenzene = 101 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106564 P-21S ug/L
Benzene	0.020	0.071	0.32
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.049
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	ND
1,1-Dichloroethane	0.020	0.069	0.83
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	4.4
trans-1,2-Dichloroethene	0.026	0.092	0.40
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.035
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	0.12
Toluene	0.021	0.072	0.034
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	0.41
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106564 P-21S ug/L
1,2,4-Trimethylbenzene	0.035	0.12	0.038
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	0.95
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 96.3 %
Surrogate Recovery on d8-Toluene = 102 %
Surrogate Recovery on Bromofluorobenzene = 100 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106565 P-31S ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.048
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	ND
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	0.036
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106565 P-31S ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 102 %
Surrogate Recovery on d8-Toluene = 103 %
Surrogate Recovery on Bromofluorobenzene = 103 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106566 P-31IA ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	0.16
Chloromethane	0.031	0.11	0.076
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	2.2
1,1-Dichloroethane	0.020	0.069	1.6
1,2-Dichloroethane	0.029	0.10	0.14
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	9.9
trans-1,2-Dichloroethene	0.026	0.092	0.076
1,2-Dichloropropane	0.021	0.073	0.33
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.14
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	12
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	0.22
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	3.6
Trichlorofluoromethane	0.071	0.25	0.59
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106566 P-31IA ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 102 %
Surrogate Recovery on d8-Toluene = 100 %
Surrogate Recovery on Bromofluorobenzene = 101 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106567 P-31D ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.043
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	ND
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	ND
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106567 P-31D ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 100 %
Surrogate Recovery on d8-Toluene = 100 %
Surrogate Recovery on Bromofluorobenzene = 98.9 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106568 P-31IB ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	0.072
Chloromethane	0.031	0.11	0.056
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	1.7
1,1-Dichloroethane	0.020	0.069	1.2
1,2-Dichloroethane	0.029	0.10	0.082
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	8.4
trans-1,2-Dichloroethene	0.026	0.092	0.054
1,2-Dichloropropane	0.021	0.073	0.29
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.11
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	11
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	0.16
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	3.3
Trichlorofluoromethane	0.071	0.25	0.42
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106568 P-31IB ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 95.8 %
Surrogate Recovery on d8-Toluene = 94.9 %
Surrogate Recovery on Bromofluorobenzene = 97.1 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106569 P-40D ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.039
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	0.31
1,1-Dichloroethane	0.020	0.069	0.14
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	1.2
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	0.047
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.028
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	1.8
Toluene	0.021	0.072	0.024
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	0.38
Trichlorofluoromethane	0.071	0.25	0.076
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106569 P-40D ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 102 %
Surrogate Recovery on d8-Toluene = 102 %
Surrogate Recovery on Bromofluorobenzene = 98.6 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106570 P-40I ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	ND
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	1.4
1,1-Dichloroethane	0.020	0.069	0.68
1,2-Dichloroethane	0.029	0.10	0.051
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	6.6
trans-1,2-Dichloroethene	0.026	0.092	0.047
1,2-Dichloropropane	0.021	0.073	0.16
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.11
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	7.9
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	0.16
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	2.1
Trichlorofluoromethane	0.071	0.25	0.40
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106570 P-40I ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 97.2 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 100 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106571 P-30D ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.077
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	ND
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.058
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	ND
Toluene	0.021	0.072	0.025
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106571 P-30D ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 101 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 106 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106572 P-34S ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.035
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	0.36
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	ND
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106572 P-34S ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 102 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 102 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106573 P-34D ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.040
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	ND
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	ND
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106573 P-34D ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 100 %
Surrogate Recovery on d8-Toluene = 103 %
Surrogate Recovery on Bromofluorobenzene = 97.3 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106574 P-29S ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	ND
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	3.2
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	1.3
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	0.56
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106574 P-29S ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 102 %
Surrogate Recovery on d8-Toluene = 98.6 %
Surrogate Recovery on Bromofluorobenzene = 96.9 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106575 P-27D ug/L
Benzene	0.10	0.36	ND
Bromobenzene	0.16	0.58	ND
Bromochloromethane	0.14	0.50	ND
Bromodichloromethane	0.095	0.34	ND
Bromoform	0.14	0.50	ND
Bromomethane	0.22	0.80	ND
n-Butylbenzene	0.16	0.59	ND
sec-Butylbenzene	0.14	0.52	ND
tert-Butylbenzene	0.19	0.67	ND
Carbon Tetrachloride	0.15	0.53	ND
Chlorobenzene	0.15	0.55	ND
Chloroethane	5.7	20	ND
Chloroform	0.18	0.66	ND
Chloromethane	0.16	0.54	0.21
2-Chlorotoluene	0.14	0.48	ND
4-Chlorotoluene	0.18	0.63	ND
Dibromochloromethane	0.10	0.38	ND
1,2-Dibromo-3-Chloropropane	0.16	0.56	ND
1,2-Dibromoethane	0.12	0.45	ND
Dibromomethane	0.14	0.50	ND
1,2-Dichlorobenzene	0.16	0.56	ND
1,3-Dichlorobenzene	0.19	0.68	ND
1,4-Dichlorobenzene	0.26	0.92	ND
Dichlorodifluoromethane	0.18	0.66	2.3
1,1-Dichloroethane	0.10	0.34	2.1
1,2-Dichloroethane	0.14	0.52	ND
1,1-Dichloroethene	0.14	0.51	ND
cis-1,2-Dichloroethene	0.16	0.57	3.8
trans-1,2-Dichloroethene	0.13	0.46	ND
1,2-Dichloropropane	0.10	0.36	0.28
1,3-Dichloropropane	0.11	0.39	ND
2,2-Dichloropropane	0.21	0.75	ND
1,1-Dichloropropene	0.10	0.36	ND
cis-1,3-Dichloropropene	0.14	0.52	ND
trans-1,3-Dichloropropene	0.15	0.53	ND
Ethylbenzene	0.14	0.49	ND
Hexachlorobutadiene	0.16	0.58	ND
Isopropylbenzene	0.12	0.40	ND
p-Isopropyltoluene	0.18	0.64	ND
Methylene chloride	0.10	0.35	0.40
Naphthalene	0.28	1.0	ND
n-Propylbenzene	0.22	0.78	ND
Styrene	0.24	0.84	ND
1,1,1,2-Tetrachloroethane	0.14	0.48	ND
1,1,2,2-Tetrachloroethane	0.18	0.60	ND
Tetrachloroethene	0.16	0.56	47
Toluene	0.10	0.36	ND
1,2,3-Trichlorobenzene	0.20	0.70	ND
1,2,4-Trichlorobenzene	0.23	0.82	ND
1,1,1-Trichloroethane	0.13	0.46	0.98
1,1,2-Trichloroethane	0.18	0.62	ND
Trichloroethene	0.12	0.45	7.6
Trichlorofluoromethane	0.36	1.3	1.3
1,2,3-Trichloropropane	0.27	0.96	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106575 P-27D ug/L
1,2,4-Trimethylbenzene	0.18	0.62	ND
1,3,5-Trimethylbenzene	0.14	0.50	ND
Vinyl chloride	0.13	0.46	ND
ortho-Xylene	0.27	0.96	ND
meta,para-Xylene	0.25	0.89	ND

Surrogate Recovery on Dibromofluoromethane = 96.0 %
Surrogate Recovery on d8-Toluene = 96.3 %
Surrogate Recovery on Bromofluorobenzene = 96.4 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106576 P-27S ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	0.075
Chloromethane	0.031	0.11	0.052
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	1.7
1,1-Dichloroethane	0.020	0.069	1.5
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	1.5
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	0.23
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.11
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	32
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	0.70
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	4.6
Trichlorofluoromethane	0.071	0.25	1.1
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106576 P-27S ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 90.9 %
Surrogate Recovery on d8-Toluene = 89.9 %
Surrogate Recovery on Bromofluorobenzene = 89.1 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106577 P-35S ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	ND
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	0.17
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	ND
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106577 P-35S ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 100 %
Surrogate Recovery on d8-Toluene = 98.9 %
Surrogate Recovery on Bromofluorobenzene = 97.8 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106578 P-35D ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	ND
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	ND
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	ND
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	ND
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106578 P-35D ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 99.0 %
Surrogate Recovery on d8-Toluene = 100 %
Surrogate Recovery on Bromofluorobenzene = 99.7 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106579 P-22S ug/L
Benzene	0.020	0.071	0.030
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	0.038
Chloromethane	0.031	0.11	0.047
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	1.5
1,1-Dichloroethane	0.020	0.069	0.80
1,2-Dichloroethane	0.029	0.10	0.058
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	8.1
trans-1,2-Dichloroethene	0.026	0.092	0.054
1,2-Dichloropropane	0.021	0.073	0.21
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.050
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	8.1
Toluene	0.021	0.072	0.059
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	0.15
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	2.8
Trichlorofluoromethane	0.071	0.25	0.45
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106579 P-22S ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	0.046
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 103 %
Surrogate Recovery on d8-Toluene = 99.9 %
Surrogate Recovery on Bromofluorobenzene = 98.1 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106580 P-22D ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	0.041
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	1.3
1,1-Dichloroethane	0.020	0.069	0.61
1,2-Dichloroethane	0.029	0.10	0.054
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	7.4
trans-1,2-Dichloroethene	0.026	0.092	0.039
1,2-Dichloropropane	0.021	0.073	0.14
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.069
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	7.2
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	0.093
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	2.0
Trichlorofluoromethane	0.071	0.25	0.27
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106580 P-22D ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 98.5 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 98.2 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106581 Dup01/P22D ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	ND
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	1.3
1,1-Dichloroethane	0.020	0.069	0.61
1,2-Dichloroethane	0.029	0.10	0.053
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	7.3
trans-1,2-Dichloroethene	0.026	0.092	0.039
1,2-Dichloropropane	0.021	0.073	0.16
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.068
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	7.2
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	0.082
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	2.1
Trichlorofluoromethane	0.071	0.25	0.26
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106581 Dup01/P22D ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	0.038
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 103 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 99.7 %

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106582 Trip Blank ug/L
Benzene	0.020	0.071	ND
Bromobenzene	0.033	0.12	ND
Bromochloromethane	0.028	0.10	ND
Bromodichloromethane	0.019	0.067	ND
Bromoform	0.028	0.10	ND
Bromomethane	0.045	0.16	ND
n-Butylbenzene	0.033	0.12	ND
sec-Butylbenzene	0.029	0.10	ND
tert-Butylbenzene	0.038	0.13	ND
Carbon Tetrachloride	0.030	0.11	ND
Chlorobenzene	0.030	0.11	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.037	0.13	ND
Chloromethane	0.031	0.11	ND
2-Chlorotoluene	0.027	0.096	ND
4-Chlorotoluene	0.036	0.13	ND
Dibromochloromethane	0.021	0.076	ND
1,2-Dibromo-3-Chloropropane	0.032	0.11	ND
1,2-Dibromoethane	0.025	0.090	ND
Dibromomethane	0.028	0.10	ND
1,2-Dichlorobenzene	0.031	0.11	ND
1,3-Dichlorobenzene	0.038	0.14	ND
1,4-Dichlorobenzene	0.052	0.18	ND
Dichlorodifluoromethane	0.037	0.13	ND
1,1-Dichloroethane	0.020	0.069	ND
1,2-Dichloroethane	0.029	0.10	ND
1,1-Dichloroethene	0.029	0.10	ND
cis-1,2-Dichloroethene	0.032	0.11	ND
trans-1,2-Dichloroethene	0.026	0.092	ND
1,2-Dichloropropane	0.021	0.073	ND
1,3-Dichloropropane	0.022	0.078	ND
2,2-Dichloropropane	0.042	0.15	ND
1,1-Dichloropropene	0.020	0.071	ND
cis-1,3-Dichloropropene	0.029	0.10	ND
trans-1,3-Dichloropropene	0.030	0.11	ND
Ethylbenzene	0.028	0.098	ND
Hexachlorobutadiene	0.032	0.12	ND
Isopropylbenzene	0.023	0.080	ND
p-Isopropyltoluene	0.036	0.13	ND
Methylene chloride	0.020	0.070	0.024
Naphthalene	0.056	0.20	ND
n-Propylbenzene	0.044	0.16	ND
Styrene	0.048	0.17	ND
1,1,1,2-Tetrachloroethane	0.027	0.097	ND
1,1,2,2-Tetrachloroethane	0.035	0.12	ND
Tetrachloroethene	0.031	0.11	ND
Toluene	0.021	0.072	ND
1,2,3-Trichlorobenzene	0.039	0.14	ND
1,2,4-Trichlorobenzene	0.046	0.16	ND
1,1,1-Trichloroethane	0.026	0.093	ND
1,1,2-Trichloroethane	0.035	0.12	ND
Trichloroethene	0.025	0.090	ND
Trichlorofluoromethane	0.071	0.25	ND
1,2,3-Trichloropropane	0.054	0.19	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-WATER

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27507

Analyte Name	MDL ug/L	LOQ ug/L	106582 Trip Blank ug/L
1,2,4-Trimethylbenzene	0.035	0.12	ND
1,3,5-Trimethylbenzene	0.028	0.099	ND
Vinyl chloride	0.026	0.092	ND
ortho-Xylene	0.054	0.19	ND
meta,para-Xylene	0.050	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 103 %
Surrogate Recovery on d8-Toluene = 107 %
Surrogate Recovery on Bromofluorobenzene = 100 %

NORTHERN LAKE SERVICE, INC.

400 NORTH LAKE AVENUE
CRANDON, WI 54520 (715)478-2777

ORDER OF ANALYSIS

RESULTS ORDERED BY:	CHAIN OF CUSTODY RECORD NUMBER:
ESC P.O. Box 12 Muskego, WI 53150	19840 [1984] QUOTATION NUMBER: ANALYZE FOR DISSOLVED OR TOTAL PARAMETERS?
SEND RESULTS TO:	SEND INVOICE TO:
ESC	ESC

Note "L" for low level ICP analysis, and "F" for furnace analysis.

Samples on line #s: 1-12 to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ☒ -by EPA 624/8260
- ☐ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

Samples on line #s: _____ to be analyzed for the parameters checked below

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ☐ -by EPA 624/8260
- ☐ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

SPECIAL INSTRUCTIONS: _____

Section 2

VOC - 5242

SECTION 2
VOC-5242

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 27506

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: PW-Bula **NLS#: 106552**
Ref. Line 1 of COC 19839 Description: PW-Bula
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

Sample ID: PW-Plummer **NLS#: 106553**
Ref. Line 2 of COC 19839 Description: PW-Plummer
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

Sample ID: PW-Friendman **NLS#: 106554**
Ref. Line 3 of COC 19839 Description: PW-Friendman
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 27506

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: PW-Brener **NLS#: 106555**
Ref. Line 4 of COC 19839 Description: PW-Brener
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

Sample ID: PW-Summer **NLS#: 106556**
Ref. Line 5 of COC 19839 Description: PW-Summer
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

Sample ID: PW-Shultz/New **NLS#: 106557**
Ref. Line 6 of COC 19839 Description: PW-Shultz/New
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 27506

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: P-30I **NLS#: 106558**
Ref. Line 7 of COC 19839 Description: P-30I
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

Sample ID: P-41D **NLS#: 106559**
Ref. Line 8 of COC 19839 Description: P-41D
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

Sample ID: PW-Sather **NLS#: 106560**
Ref. Line 9 of COC 19839 Description: PW-Sather
Collected: 05/30/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 27506

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Refuse Hideaway Landfill

Sample ID: Trip Blank **NLS#: 106561**
Ref. Line 10 of COC 19839 Description: Trip Blank
Collected: 05/29/96 Received: 05/31/96 Reported: 06/11/96

Parameter	Result	Units	MDL	LOQ	Method	Date
VOCs by EPA 524.2	see attached				EPA 524.2	06/08/96

Please note that analytical results greater than the MDL but less than the LOQ are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation".

MDL = Method Detection Limit LOQ = Limit of Quantitation ND = Not Detected Date = Date Analysis Performed
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB)/10000

Steven R. Cerny

Reviewed by:

Authorized by:
R. T. Krueger
Laboratory Manager

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106552 PW-Bula ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106552 PW-Bula ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 114 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106553 PW-Plummer ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106553 PW-Plummer ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 96.0 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106554 PW-Friendman ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106554 PW-Friendman ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 110 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106555 PW-Brener ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	0.48
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106555 PW-Brener ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 110 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106556 PW-Summer ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106556 PW-Summer ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 116 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106557 PW-Shultz/New ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	1.0
1,1-Dichloroethane	0.075	0.27	0.68
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	2.6
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	0.13
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	4.9
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	0.84
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106557 PW-Shultz/New ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 112 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106558 P-30I ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106558 P-30I ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 104 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106559 P-41D ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106559 P-41D ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 106 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106560 PW-Sather ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106560 PW-Sather ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 100 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106561 Trip Blank ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Refuse Hideaway Landfill
Northern Lake Service Project Number: 27506

Analyte Name	MDL ug/L	LOQ ug/L	106561 Trip Blank ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 106 %

NORTHERN LAKE SERVICE, INC.

400 NORTH LAKE AVENUE
CRANDON, WI 54520 (715)478-2777

ORDER OF ANALYSIS

RESULTS ORDERED BY:	CHAIN OF CUSTODY RECORD NUMBER:
ESC P.O. BOX 12 MUSKEGO, WI 53150	19839
	QUOTATION NUMBER:
	ANALYZE FOR DISSOLVED OR TOTAL PARAMETERS?
SEND RESULTS TO:	SEND INVOICE TO:
ESC	ESC

Note "L" for low level ICP analysis, and "F" for furnace analysis.

Samples on line #s: 1 → 10 to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicices
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ☐ -by EPA 624/8260
- ☒ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

Samples on line #s: _____ to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ☐ -by EPA 624/8260
- ☐ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

SPECIAL INSTRUCTIONS: _____

Section 3

Field Forms

ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM

MONTH MAY, 1996

Purging Phase

Well I.D.	Date 1996	Time (24 hrs.)	Top of Well Elevation (msl-ft.)	Depth to H_2O (ft.)	Ground Water Elevation (msl-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gals. to Purge (4 vols.)	Amount Purged (gal.)
PW-BULA	5/29	1320	OUTSIDE		TAP (FRONT)				
PW-PLUMMER	5/29	1345	OUTSIDE		TAP (UNDER SUNROOM)				
PW-FRIEDMAN	5/29	1410	OUTSIDE		TAP (FRONT) (BUBBLES)				
PW-BAENER	5/29	1435	OUTSIDE		TAP (FRONT)				
PW-SUMMERS	5/29	1615	ABOVE WELL PIT						
PW SHULZ-NEW	5/29	1000	ELECTRIC PUMP		~7.5 GAL/MIN				3600
PW-SATHER	5/30	1210	DOWNSTAIRS - WELL		INLET - WELL				
			CAP IS RUSTED & SET SCREWS NEED						
			TO BE RE-PLACED						

Sampling Phase

Date 1996	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used
5/29	1335	7.40	684	11.5	CLEAR	-	NONE	NONE	-	-
5/29	1405	7.26	652	11.9	CLEAR	-	NONE	NONE	-	-
5/29	1430	7.40	832	11.5	CLEAR	-	NONE	NONE	-	-
5/29	1455	7.38	717	11.8	CLEAR	-	NONE	NONE	-	-
5/29	1635	7.41	635	10.9	CLEAR	-	NONE	NONE	-	-
5/29	1800	7.15	633	13.6	CLEAR	-	NONE	NONE	-	-
5/30	1230	7.37	680	11.5	CLEAR	-	NONE	NONE	-	-

*Casing I.D. (inches) <=> Gallons per Foot to Get 1 Well Volume.
1.5" Well <=> 0.092 gal. 2" Well <=> 0.163 gal. 3" Well <=> 0.377 4" <=> 0.653 gal.

Weather: Wind Speed _____ Direction _____ Temp. _____
Overview: _____

Other Remarks: PW-SHULZ/NEW - ADDED LOCK & OWNER WANTS BUMPER POSTS

Equipment Used: _____

Site Name: WDNR/ REFUSE HIDEAWAY LANDFILL
Site Address: MIDDLETON, WIS
ESC Personnel: F. PERUGINI & V. STREICH
ESC FF#1

ENVIRONMENTAL SAMPLING CORPORATION
414/895-3157

Client: WDNR
Project: MAY 1996 EVENT Page: 1 of 3
Prepared by: V. STREICH Date: 5/30/96
Checked by: F. PERUGINI Date: 5/31/96

ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM

MONTH MAY, 1996

Purging Phase

Well I.D.	Date 1996	Time (24 hrs.)	Top of Well Elevation (msl-ft.)	Depth to H_20 (ft.)	Ground Water Elevation (msl-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gals. to Purge (4 vols.)	Amount Purged (gal.)
P17S	5/28	1100	1081.75	144.63	937.12	158.75	14.1	9.5	9.5
P20SR	5/28	1140	961.78	38.83	922.95	64.4	25.6	20.0	20.0
P21S	5/28	1430	936.43	10.79	925.64	19.6	8.8	6.0	6.0
P-31IA	5/28	1420	916.77	—	—	—	PACKER —	8.0	8.0
P-31S	5/28	1335	916.59	5.41	911.18	25.4	20.0	12.0	12.0
P-31D	5/28	1450	915.72	—	—	—	PACKER —	8.0	8.0
P-31IB	5/29	1200	916.49	—	—	—	PACKER —	8.0	8.0
P-40D	5/29	1045	922.98	11.66	911.32	253.5	PACKER —	9.0	9.0
P-40I	5/29	1110	922.28	10.52	911.76	102.8	PACKER —	9.0	9.0
P-30I	5/29	1250	930.94	19.91	911.03	140.7	PACKER —	9.0	9.0
P-30D	5/29	1325	932.97	21.89	911.08	287.3	PACKER —	55.0	55.0
P-41D	5/29	1545	924.82	16.88	907.94	103.0	PACKER —	9.0	9.0
P-34S	5/30	0850	1091.10	162.92	928.18	183.7	20.8	13.5	13.5

Sampling Phase

Date 1996	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used
5/28	1240	6.70	1427	12.2	CLEAR	—	NONE	NONE	—	—
5/28	1200	7.24	606	11.9	CLEAR	—	NONE	NONE	—	—
5/28	1450	6.75	915	11.0	SLIGHT	—	SLIGHT	SLIGHT	—	—
5/28	1445	7.16	740	10.9	CLEAR	—	NONE	NONE	—	—
5/28	1400	7.99	406	9.0	CLEAR	—	NONE	NONE	—	—
5/28	1520	7.24	525	12.2	CLEAR	—	NONE	NONE	—	—
5/29	1220	7.10	760	10.5	CLEAR	—	NONE	NONE	—	—
5/29	1110	7.26	552	11.5	CLEAR	—	NONE	NONE	—	—
5/29	1125	7.29	650	11.4	CLEAR	—	NONE	NONE	—	—
5/29	1315	7.16	581	12.4	CLEAR	—	NONE	NONE	—	—
5/29	1445	7.26	516	11.8	CLEAR	—	NONE	NONE	—	—
5/29	1600	7.22	610	11.2	CLEAR	—	NONE	NONE	—	—
5/30	1010	6.64	561	12.0	CLEAR	—	NONE	NONE	—	—

*Casing I.D. (inches) <=> Gallons per Foot to Get 1 Well Volume.
1.5" Well <=> 0.092 gal. 2" Well <=> 0.163 gal. 3" Well <=> 0.377 4" <=> 0.653 gal.

Weather: Wind Speed____ Direction____ Temp.____
Overview:____

Other Remarks: P31IB - AIR LINE LEAKS BRASS 1/4" OR 3/8" FITTING & PACKER NEEDS 1/8" BRASS FITTING

Equipment Used:____

Site Name: REFUSE HIDEAWAY LANDFILL
Site Address: MIDDLETON, WISCONSIN
ESC Personnel: V. STREICH & F PELUGINI
ESC FF#1

ENVIRONMENTAL SAMPLING CORPORATION
414/895-3157

Client: WDNR - MADISON
Project: SEMI ANNUAL EVENT Page: 2 of 3
Prepared by: V. STREICH Date: 5/30/96
Checked by: F. PELUGINI Date: 5/31/96

ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM

MONTH MAY, 1996

Purging Phase

Well I.D.	Date 1996	Time (24 hrs.)	Top of Well Elevation (msl-ft.)	Depth to H_2O (ft.)	Ground Water Elevation (msl-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gals. to Purge (4 vols.)	Amount Purged (gal.)
P-34D	5/30	0850	1090.98	165.70	925.28	273.1	PACKER -	PACKER 8.0	8.0
P-29S	5/30	0900	1163.10	238.37	924.73	253.1	14.7	10.0	10.0
P-27D	5/30	1100	1095.56	175.73	919.83	204.3	PACKER -	7.5	7.5
P-27S	5/30	1100	1095.23	174.68	920.55	188.8	14.1	9.5	9.5
P-35S	5/30	1215	1087.90	166.00	921.90	183.6	17.6	11.5	11.5
P-35D	5/30	1215	1087.70	167.03	920.67	250.8	PACKER -	8.5	8.5
P-22S	5/30	1445	1088.20	172.93	915.27	178.4	5.5	3.5	3.5
P-22D	5/30	1445	1088.94	174.01	914.93	179.2	Packer -	7.5	7.5
DUP01	5/30	-	-	-	-	-	-	-	-

Sampling Phase

Date 1996	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used
5/30	0945	6.56	555	12.5	CLEAR	-	NONE	NONE	-	-
5/30	1030	6.44	657	12.1	CLEAR	-	NONE	NONE	-	-
5/30	1135	6.25	1104	12.5	CLEAR	-	NONE	NONE	-	-
5/30	1200	6.65	1045	11.6	CLEAR	-	NONE	NONE	-	-
5/30	1345	6.81	455	12.7	CLEAR	-	NONE	NONE	-	-
5/30	1315	6.53	579	11.9	CLEAR	-	NONE	NONE	-	-
5/30	1510	6.83	616	11.5	CLEAR	-	NONE	NONE	-	-
5/30	1540	7.06	614	11.2	CLEAR	-	NONE	NONE	-	-
5/30	1540	7.09	618	11.1	CLEAR	-	NONE	NONE	-	-

*Casing I.D. (inches) <=> Gallons per Foot to Get 1 Well Volume.
1.5" Well <=> 0.092 gal. 2" Well <=> 0.163 gal. 3" Well <=> 0.377 4" <=> 0.653 gal.

Weather: Wind Speed _____ Direction _____ Temp. _____

Overview: _____

Other Remarks: DUP01 = P-22D

Equipment Used: _____

Site Name: REFUSE HIDEAWAY LANDFILL
Site Address: MIDDLETON, WISCONSIN
ESC Personnel: F. PERUGINI & V. STREICH
ESC FF#1

ENVIRONMENTAL SAMPLING CORPORATION
414/895-3157

Client: WDNR / RHL
Project: MAY SAMPLING EVENT Page: 3 of 3
Prepared by: V. STREICH Date: 5/30/96
Checked by: F. PERUGINI Date: 5/31/96

NO. 19839

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520
Tel: (715) 478-2777 • Fax: (715) 478-3060

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

CLIENT	PROJECT TITLE	
ESC / WDNR	REFUSE HIDEAWAY LANDFILL	
ADDRESS	PROJECT NO.	P.O. NO.
P.O. Box 12		
CITY / STATE / ZIP	CONTACT	PHONE
MUSKEGO, WI 53150	FRANK PERRINI	414/895-5157

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLE TYPE	GRAB/ COMP.	CONTAINER/PRESERVATIVE HCL	COLLECTION REMARKS
1.	106552	PW-BUCA	5/29/96	1335	DW	G	2V	524.2-VOA's
2.	106553	PW-PLUMMER	5/29/96	1405	DW	G	2V	" "
3.	106554	PW-FRIEDMAN	5/29/96	1430	DW	G	2V	" "
4.	106555	PW-BRENCA	5/29/96	1455	DW	G	2V	" "
5.	106556	PW-SUMMER	5/29/96	1635	DW	G	2V	" "
6.	106557	PW-SHULTZ/NEW	5/29/96	1800	DW	G	2V	" "
7.	106558	P-30I	5/29/96	1315	DW	G	2V	" "
8.	106559	P-41D	5/29/96	1600	DW	G	2V	" "
9.	106560	PW-SATHERN	5/30/96	0230	DW	G	2V	" "
10.	106561	TRIP BLANK	—	—	—	—		524.2-VOA's
11.								
12.								

SAMPLE TYPE:
SW = surface water; WW = wastewater; GW = groundwater; DW = drinking water; TIS = tissue; AIR = air; PROD = product; SOIL = soil; SED = sediment; describe others

CONTAINER: P = plastic; G = glass; V = glass vial; B = plastic bag; describe others

PRESERVATIVES & PREPARATION: NP = nothing added; S = sulfuric acid; N = nitric acid; Z = zinc acetate; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid; F = field filtered

COLLECTED BY (signatures)	CUSTODY SEAL NO. (IF ANY) A	DATE/TIME 5/30/96 1500
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP
	5-31-96 8:30	Ok ice	

SEAL INTACT? ☒ YES ☐ NO | SEAL # | REMARKS & OTHER INFORMATION

IMPORTANT: 1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 19840

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

CLIENT	PROJECT TITLE
ESC / WONR	REFUSE HIDEAWAY LANDFILL
ADDRESS	**PROJECT NO.** / **P.O. NO.**
P.O. BOX 12	
CITY / **STATE** / **ZIP**	**CONTACT** / **PHONE**
MUSKEGO, WI 53150	FRANK PENNINI (414) 525-5157

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLE TYPE	GRAB/ COMP.	CONTAINER/PRESERVATIVE H					COLLECTION REMARKS
1.	106562	P-17S	5/29/96	1140	GW	G	ZV					VOC's - 8260
2.	106563	P-20SR	5/28/96	1200	GW	G	ZV					
3.	106564	P-21S	5/28/96	1450	GW	G	ZV					
4.	106565	P-31S	5/28/96	1405	GW	G	ZV					
5.	106566	P-31IA	5/28/96	1445	GW	G	ZV					
6.	106567	P-31D	5/29/96	1520	GW	G	ZV					
7.	106568	P-31IB	5/29/96	1220	GW	G	ZV					
8.	106569	P-40D	5/29/96	1110	GW	G	ZV					
9.	106570	P-40I	5/29/96	1125	GW	G	ZV					
10.	106571	P-30D	5/29/96	1445	GW	G	ZV					
11.	106572	P-34S	5/29/96	1010	GW	G	ZV					
12.	106573	P-34D	5/29/96	945	GW	G	ZV					VOC's - 8260

SAMPLE TYPE:
SW = surface water; WW = wastewater; GW = groundwater; DW = drinking water; TIS = tissue; AIR = air; PROD = product; SOIL = soil; SED = sediment; describe others

CONTAINER: P = plastic; G = glass; V = glass vial; B = plastic bag; describe others

PRESERVATIVES & PREPARATION: NP = nothing added; S = sulfuric acid; N = nitric acid; Z = zinc acetate; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid; F = field filtered

COLLECTED BY (signatures)	CUSTODY SEAL NO. (IF ANY) A	DATE/TIME 5/30/96 1500
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
Debbie Wilson	5-31-96 8:30	on ice	

SEAL INTACT? ☑ YES ☐ NO — SEAL A

REMARKS & OTHER INFORMATION

IMPORTANT: 1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIB
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 19841

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

CLIENT	PROJECT TITLE
ESC / WONR	Rapids Hideaway Landfill
ADDRESS: P.O. Box 12	PROJECT NO. / P.O. NO.
CITY: Muskego, STATE: WI. ZIP: 53150	CONTACT: Frank Perugini, PHONE: 414/895-3157

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLE TYPE	GRAB/ COMP.	CONTAINER/PRESERVATIVE 4					COLLECTION REMARKS
1.	106574	P-29S	5/30/96	1030	GW	G	2V					VOA's - 826
2.	106575	P-27D	5/30/96	1135	GW	G	2V					
3.	106576	P-27S	5/30/96	1200	GW	G	2V					
4.	106577	P-35S	5/30/96	1345	GW	G	2V					
5.	106578	P-35D	5/30/96	1315	GW	G	2V					
6.	106579	P-22S	5/30/96	1510	GW	G	2V					
7.	106580	P-22D	5/30/96	1540	GW	G	2V					✓
8.	106581	DuPont/P22D	5/30/96	1545	GW	G	2V					VOA's 826
9.	106582											
10.												
11.												
12.												

SAMPLE TYPE:
SW = surface water; WW = wastewater; GW = groundwater; DW = drinking water; TIS = tissue; AIR = air; PROD = product; SOIL = soil; SED = sediment; describe others

CONTAINER: P = plastic; G = glass; V = glass vial; B = plastic bag; describe others

PRESERVATIVES & PREPARATION: NP = nothing added; S = sulfuric acid; N = nitric acid; Z = zinc acetate; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid; F = field filtered

COLLECTED BY (signatures)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
	2	5/30/96 1700

RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
Barbara Wilson	5.31.96 8:30	ok	
SEAL INTACT? ☑ YES ☐ NO	SEAL #	REMARKS & OTHER INFORMATION	

IMPORTANT: 1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

DUPLICATE COPY

WDNR- REFUSE HIDEAWAY LANDFILL
GROUNDWATER ELEVATIONS
MAY 28 AND 29, 1996

Well ID.	Total Depth (ft.)	TOC Elevation (ft. MSL)	Depth to Water (ft.)	Groundwater Elevation
P-1D		926.67	3.87	922.80
P-1S		924.39	3.05	921.34
P-3S		932.79	8.61	924.18
P-4S		929.89	5.01	924.88
P-8BR		929.53	7.31	922.21
P-8D		930.98	7.64	923.34
P-8S		932.50	7.68	924.82
P-8D		930.43	7.41	923.02
P-9S		932.09	7.83	924.26
P-16D		936.30	14.92	921.38
P-16S		935.96	11.16	924.80
P-17S	158.8	1081.75	144.63	937.12
P-18S		1020.57	97.76	922.81
P-20SR	64.4	961.78	38.83	922.95
P-21BR		935.19	14.63	920.56
P-21D		935.81	7.95	927.86
P-21S	19.6	936.43	10.79	925.64
P-22D	217.3	1088.94	174.01	914.93
P-22S	185.2	1088.20	172.93	915.27
P-23D		961.53	38.98	922.55
P-23S		961.71	39.27	922.44
P-24D		927.25	5.37	921.88
P-24S		927.39	4.55	922.84
P-25BR		943.27	25.61	917.66
P-25D		943.86	26.52	917.34
P-25S		943.14	22.14	921.00
P-26D		1149.63	224.55	925.08
P-26S		1150.95	220.70	930.25
P-27D	204.3	1095.56	175.73	919.83
P-27S	188.8	1095.23	174.68	920.55
P-28S		1124.33	200.42	923.91

Prepared by: _____

Checked by: MMP

F:\SC\STATUSRP\RHL596.DOC

WDNR- REFUSE HIDEAWAY LANDFILL
GROUNDWATER ELEVATIONS -PAGE 2
MAY 28 AND 29, 1996

Well ID.	Total Depth (ft.)	TOC Elevation (ft. MSL)	Depth to Water (ft.)	Groundwater Elevation
P-29S	253.1	1163.10	238.37	924.73
P-30D	287.3	932.97	21.89	911.08
P-30I	140.7	930.94	19.91	911.03
P-30S		932.61	21.13	911.48
P-31D	255.9	915.71	**	**
P-31IA	93.2	916.77	**	**
P-31IB	132.7	916.49	**	**
P-31S	25.4	916.59	5.41	911.18
P-32D		942.66	22.92	919.74
P-32S		943.73	22.11	921.62
P-33D		928.50	5.46	923.04
P-33S		928.55	4.57	923.98
P-34D	273.4	1090.98	165.70	925.28
P-34S	183.7	1091.10	162.92	928.18
P-35D	250.8	1087.70	167.03	920.67
P-35S	183.6	1087.90	166.00	921.90
P-36D		924.34	1.73	922.61
P-36S		924.49	2.65	921.84
P-38S		923.21	7.56	915.65
P-39S		946.08	35.26	910.82
P-40D	253.5	922.98	11.66	911.32
P-40I	102.8	922.28	10.52	911.76
P-40S		922.01	5.68	916.33
P-41D	103.0	924.82	16.88	907.94
P-41S		925.58	10.83	914.75
P-42S		917.62	10.52	907.10
S-1		913.61	+0.10	913.71
S-2		910.86	+0.48	911.34
S-3		909.04	+0.50	909.54

** Probe could not be inserted due to pump.

ESC\STATUSRP\RHL596.DOC

ENVIRONMENTAL SAMPLING CORPORATION

December 9, 1996

Wisconsin Dept. of Natural Resources
Attn. Ms. Theresa Evanson, SW/3
101 S. Webster St.
P.O. Box 7921
Madison, WI 53707

RE: REFUSE HIDEAWAY LANDFILL NOVEMBER - 96 RESULTS

Dear Ms. Evanson:

Attached please find Refuse Hideaway Landfill groundwater monitoring results for November - 96. The laboratory analytical results for the private wells, on-site monitoring wells and summary of field measurements are also attached. A computer diskette containing all analytical laboratory results has been completed

Thank you for your patience. If you have any questions or comments, please call me.

Sincerely,

Frank Perugini
Director of Operations

P.O. Box 12 • Muskego, WI 53150-0012 • (414) 895-3157 • FAX (414) 895-6074

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-35S **NLS#: 120547**
Ref. Line 3 of COC 22655 Description: P-35S
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	480	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.0	s.u.			SW846 9045	11/12/96
Field temperature	8.3	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/17/96

Sample ID: P-35D **NLS#: 120548**
Ref. Line 4 of COC 22655 Description: P-35D
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	540	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.0	s.u.			SW846 9045	11/12/96
Field temperature	9.9	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/17/96

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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: DUP 01/P-35D **NLS#: 120549**
Ref. Line 5 of COC 22655 Description: DUP 01/P-35D
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	540	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.0	s.u.			SW846 9045	11/12/96
Field temperature	9.8	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/17/96

Sample ID: Schuleburg/Wagner **NLS#: 120550**
Ref. Line 6 of COC 22655 Description: Schuleburg/Wagner
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	880	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.3	s.u.			EPA 150.1	11/12/96
Field temperature	9.8	deg. C.				11/12/96
Field turbidity	none detected					11/12/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

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400 North Lake Avenue - Crandon, WI 54520
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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: D. Sommer **NLS#: 120551**
Ref. Line 7 of COC 22655 Description: D. Sommer
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	650	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.3	s.u.			EPA 150.1	11/12/96
Field temperature	8.6	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

Additional Comments: Toluene is a temporary in-house contaminant. See attachment for further details.

Sample ID: L. Durand **NLS#: 120552**
Ref. Line 8 of COC 22655 Description: L. Durand
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	920	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.4	s.u.			EPA 150.1	11/12/96
Field temperature	12.5	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: S. Foster/Theseau NLS#: 120553
Ref. Line 9 of COC 22655 Description: S. Foster/Theseau
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	680	umho@25C			EPA 120.1	11/12/96
Field odor	slight					11/12/96
Field pH	7.3	s.u.			EPA 150.1	11/12/96
Field temperature	10.0	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

Sample ID: D. Knoche NLS#: 120554
Ref. Line 10 of COC 22655 Description: D. Knoche
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	810	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.3	s.u.			EPA 150.1	11/12/96
Field temperature	10.4	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: W. Rounds **NLS#: 120555**
Ref. Line 11 of COC 22655 Description: W. Rounds
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	660	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.4	s.u.			EPA 150.1	11/12/96
Field temperature	9.4	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

Sample ID: A. Sather **NLS#: 120556**
Ref. Line 12 of COC 22655 Description: A. Sather
Collected: 11/12/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/12/96
Field conductivity	790	umho@25C			EPA 120.1	11/12/96
Field odor	none detected					11/12/96
Field pH	7.2	s.u.			EPA 150.1	11/12/96
Field temperature	9.5	deg. C				11/12/96
Field turbidity	none detected					11/12/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

Additional Comments: Toluene is a temporary in-house contaminant. See attachment for further details.

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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-17S **NLS#: 120557**
Ref. Line 1 of COC 22656 Description: P-17S
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	1500	umho@25C			EPA 120.1	11/11/96
Field odor	slight					11/11/96
Field pH	6.6	s.u.			SW846 9045	11/11/96
Field temperature	10.5	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

Sample ID: P-20SR **NLS#: 120558**
Ref. Line 2 of COC 22656 Description: P-20SR
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	560	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	6.9	s.u.			SW846 9045	11/11/96
Field temperature	8.2	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-21S **NLS#: 120559**
Ref. Line 3 of COC 22656 Description: P-21S
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	slight					11/11/96
Field conductivity	1100	umho@25C			EPA 120.1	11/11/96
Field odor	slight					11/11/96
Field pH	6.7	s.u.			SW846 9045	11/11/96
Field temperature	8.9	deg. C.				11/11/96
Field turbidity	slight					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

Sample ID: P-31S **NLS#: 120560**
Ref. Line 4 of COC 22656 Description: P-31S
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	slight					11/11/96
Field conductivity	430	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	7.3	s.u.			SW846 9045	11/11/96
Field temperature	8.3	deg. C				11/11/96
Field turbidity	low					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-31IA **NLS#: 120561**
Ref. Line 5 of COC 22656 Description: P-31IA
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	690	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	6.8	s.u.			SW846 9045	11/11/96
Field temperature	8.7	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

Sample ID: P-31IB **NLS#: 120562**
Ref. Line 6 of COC 22656 Description: P-31IB
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	720	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	6.7	s.u.			SW846 9045	11/11/96
Field temperature	7.3	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-31ID **NLS#: 120563**
Ref. Line 7 of COC 22656 Description: P-31ID
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	500	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	7.3	s.u.			SW846 9045	11/11/96
Field temperature	8.1	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

Sample ID: P-40I **NLS#: 120564**
Ref. Line 8 of COC 22656 Description: P-40I
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	590	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	6.4	s.u.			SW846 9045	11/11/96
Field temperature	9.8	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-30I **NLS#: 120565**
Ref. Line 9 of COC 22656 Description: P-30I
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	610	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	7.1	s.u.			EPA 150.1	11/11/96
Field temperature	9.1	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

Sample ID: P-30D **NLS#: 120566**
Ref. Line 10 of COC 22656 Description: P-30D
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	510	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	7.3	s.u.			SW846 9045	11/11/96
Field temperature	9.0	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-40D **NLS#: 120567**
Ref. Line 11 of COC 22656 Description: P-40D
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	510	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	7.0	s.u.			SW846 9045	11/11/96
Field temperature	9.9	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/16/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.028 ug/l. See attachment for further details.

Sample ID: P-2P 41D **NLS#: 120568**
Ref. Line 12 of COC 22656 Description: P-2P 41D
Collected: 11/11/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/11/96
Field conductivity	610	umho@25C			EPA 120.1	11/11/96
Field odor	none detected					11/11/96
Field pH	6.9	s.u.			EPA 150.1	11/11/96
Field temperature	10.3	deg. C				11/11/96
Field turbidity	none detected					11/11/96
VOCs by EPA 524.2	see attached				EPA 524.2	11/22/96

Additional Comments: Toluene is a temporary in-house contaminant. See attachment for further details.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Tel:(715)478-2777 Fax:(715)478-3060

WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-22S **NLS#: 120569**
Ref. Line 2 of COC 22643 Description: P-22S
Collected: 11/13/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/13/96
Field conductivity	620	umho@25C			EPA 120.1	11/13/96
Field odor	slight					11/13/96
Field pH	6.5	s.u.			SW846 9045	11/13/96
Field temperature	7.5	deg. C				11/13/96
Field turbidity	none detected					11/13/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/17/96

Sample ID: P-27D **NLS#: 120570**
Ref. Line 3 of COC 22643 Description: P-27D
Collected: 11/13/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/13/96
Field conductivity	1000	umho@25C			EPA 120.1	11/13/96
Field odor	none detected					11/13/96
Field pH	6.6	s.u.			SW846 9045	11/13/96
Field temperature	8.0	deg. C				11/13/96
Field turbidity	none detected					11/13/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/18/96

Additional Comments: Toluene is present as a temporary in-house contaminant. It also appeared in the method blank at 0.031 ug/l. See attachment for further details.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: P-27S NLS#: 120571
Ref. Line 4 of COC 22643 Description: P-27S
Collected: 11/13/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	slight					11/13/96
Field conductivity	960	umho@25C			EPA 120.1	11/13/96
Field odor	none detected					11/13/96
Field pH	6.6	s.u.			SW846 9045	11/13/96
Field temperature	8.3	deg. C				11/13/96
Field turbidity	low					11/13/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/17/96

Sample ID: P-29S NLS#: 120572
Ref. Line 5 of COC 22643 Description: P-29S
Collected: 11/13/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	slight					11/13/96
Field conductivity	640	umho@25C			EPA 120.1	11/13/96
Field odor	none detected					11/13/96
Field pH	7.4	s.u.			SW846 9045	11/13/96
Field temperature	8.0	deg. C				11/13/96
Field turbidity	none detected					11/13/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/17/96

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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WIS. LAB CERT. NO. 721026460

ANALYTICAL REPORT

 NLS PROJECT# 30838

Client: Environmental Sampling Corporation
Attn: Frank Perugini
P.O. Box 12
Muskego, WI 53150

Project Description: Nov. 96 - Semi-Annual Monitoring

Sample ID: Trip Blank NLS#: 120573
Ref. Line 6 of COC 22643 Description: Trip Blank
Collected: 11/13/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
VOCs (water) by EPA 8260	see attached				SW846 8260	11/17/96

Sample ID: P-22D NLS#: 120574
Ref. Line 7 of COC 22643 Description: P-22D
Collected: 11/13/96 Received: 11/14/96 Reported: 11/27/96

Parameter	Result	Units	LOD	LOQ	Method	Date
Field color	clear					11/13/96
Field conductivity	540	umho@25C			EPA 120.1	11/13/96
Field odor	slight					11/13/96
Field pH	6.8	s.u.			SW846 9045	11/13/96
Field temperature	11.5	deg. C				11/13/96
Field turbidity	none detected					11/13/96
VOCs (water) by EPA 8260	see attached				SW846 8260	11/19/96

Please note that analytical results greater than the LOD but less than the LOQ are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation".

LOD = Limit of Detection
DWB = Dry Weight Basis
LOQ = Limit of Quantitation
NA = Not Applicable
ND = Not Detected
%DWB = (mg/kg DWB)/10000
Date = Date Analysis Performed

Reviewed by:

Authorized by:
R. T. Krueger
Laboratory Manager

ADDITIONAL INFORMATION REGARDING VOLATILES ANALYSES ON SAMPLES INCLUDED IN NLS PROJECT NO. 30838 .

Please note that low levels of toluene may have been detected on some or all samples in the above project. During the week of October 14 through 18, 1996, a new rubber roof was installed on the NLS building housing our volatiles labs. The procedure required the use of organic cleaners and glue in which toluene is the main solvent. Steps were taken to minimize contamination inside the building, but toluene was still detected in method blanks and samples at various concentrations. In most cases detections were below the level of quantification and may be considered insignificant.

If you have further questions or would like us to discuss this with your regulatory contact, please feel free to contact Steve Crupi, our Client Services Manager.

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120545 P-34S ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	ND
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	0.39
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.064
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120545 P-34S ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 95.7 %
Surrogate Recovery on d8-Toluene = 97.6 %
Surrogate Recovery on Bromofluorobenzene = 93.7 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120546 P-34D ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.046
Chloromethane	0.049	0.17	0.053
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.053
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120546 P-34D ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 94.9 %
Surrogate Recovery on d8-Toluene = 96.6 %
Surrogate Recovery on Bromofluorobenzene = 94.9 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120547 P-35S ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	ND
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	0.19
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.067
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120547 P-35S ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 95.1 %
Surrogate Recovery on d8-Toluene = 97.7 %
Surrogate Recovery on Bromofluorobenzene = 93.8 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120548 P-35D ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	ND
Chloromethane	0.049	0.17	0.053
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.049
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120548 P-35D ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 98.1 %
Surrogate Recovery on d8-Toluene = 102 %
Surrogate Recovery on Bromofluorobenzene = 100 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120549 DUP 01/P-35D ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.053
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.034
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120549 DUP 01/P-35D ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 100 %
Surrogate Recovery on d8-Toluene = 100 %
Surrogate Recovery on Bromofluorobenzene = 96.4 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120550 Schuleburg/Wagner ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120550 Schuleburg/Wagner ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 94.0 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120551 D. Sommer ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	0.13
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120551 D. Sommer ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 108 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120552 L. Durand ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120552 L. Durand ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 104 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120553 S. Foster/Theseau ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	0.15
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120553 S. Foster/Theseau ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 110 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120554 D. Knoche ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120554 D. Knoche ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 100 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120555 W. Rounds ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120555 W. Rounds ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 106 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120556 A. Sather ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	0.16
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	0.10
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120556 A. Sather ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 102 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120557 P-17S ug/L
Benzene	0.080	0.28	0.68
Bromobenzene	0.15	0.54	ND
Bromochloromethane	0.22	0.77	ND
Bromodichloromethane	0.17	0.60	ND
Bromoform	0.18	0.64	ND
Bromomethane	0.38	1.3	ND
n-Butylbenzene	0.16	0.56	ND
sec-Butylbenzene	0.12	0.45	ND
tert-Butylbenzene	0.17	0.60	ND
Carbon Tetrachloride	0.16	0.55	ND
Chlorobenzene	0.24	0.87	ND
Chloroethane	2.8	10	ND
Chloroform	0.14	0.46	0.18
Chloromethane	0.24	0.86	ND
2-Chlorotoluene	0.14	0.48	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.16	0.55	ND
1,2-Dibromo-3-Chloropropane	0.30	1.1	ND
1,2-Dibromoethane	0.10	0.35	ND
Dibromomethane	0.38	1.3	ND
1,2-Dichlorobenzene	0.18	0.64	ND
1,3-Dichlorobenzene	0.16	0.60	ND
1,4-Dichlorobenzene	0.26	0.90	2.8
Dichlorodifluoromethane	0.15	0.52	0.68
1,1-Dichloroethane	0.14	0.49	6.2
1,2-Dichloroethane	0.11	0.38	1.1
1,1-Dichloroethene	0.12	0.43	ND
cis-1,2-Dichloroethene	0.14	0.49	83
trans-1,2-Dichloroethene	0.16	0.56	0.33
1,2-Dichloropropane	0.12	0.40	3.3
1,3-Dichloropropane	0.17	0.60	ND
2,2-Dichloropropane	0.16	0.56	ND
1,1-Dichloropropene	0.11	0.38	ND
cis-1,3-Dichloropropene	0.14	0.48	ND
trans-1,3-Dichloropropene	0.26	0.92	ND
Ethylbenzene	0.12	0.43	0.60
Hexachlorobutadiene	0.28	0.99	ND
Isopropylbenzene	0.12	0.45	ND
p-Isopropyltoluene	0.19	0.67	ND
Methylene chloride	0.12	0.42	ND
Naphthalene	0.58	2.1	ND
n-Propylbenzene	0.14	0.58	ND
Styrene	0.12	0.44	ND
1,1,1,2-Tetrachloroethane	0.18	0.64	ND
1,1,2,2-Tetrachloroethane	0.28	1.0	ND
Tetrachloroethene	0.20	0.68	9.0
Toluene	0.12	0.48	0.44
1,2,3-Trichlorobenzene	0.28	1.0	ND
1,2,4-Trichlorobenzene	0.28	0.98	ND
1,1,1-Trichloroethane	0.44	1.6	ND
1,1,2-Trichloroethane	0.28	0.97	ND
Trichloroethene	0.15	0.52	14
Trichlorofluoromethane	0.27	0.95	ND
1,2,3-Trichloropropane	0.18	0.65	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120557 P-17S ug/L
1,2,4-Trimethylbenzene	0.16	0.56	0.28
1,3,5-Trimethylbenzene	0.12	0.44	0.22
Vinyl chloride	0.22	0.80	4.1
ortho-Xylene	0.14	0.49	0.16
meta,para-Xylene	0.26	0.92	0.29

Surrogate Recovery on Dibromofluoromethane = 103 %
Surrogate Recovery on d8-Toluene = 102 %
Surrogate Recovery on Bromofluorobenzene = 99.6 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120558 P-20SR ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.027
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	0.87
1,1-Dichloroethane	0.028	0.098	0.047
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	0.24
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	3.9
Toluene	0.025	0.097	0.052
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	0.22
Trichlorofluoromethane	0.054	0.19	0.18
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120558 P-20SR ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 104 %
Surrogate Recovery on d8-Toluene = 105 %
Surrogate Recovery on Bromofluorobenzene = 102 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120559 P-21S ug/L
Benzene	0.016	0.057	1.4
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	0.80
Chloroform	0.027	0.093	0.028
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	3.9
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	0.034
cis-1,2-Dichloroethene	0.028	0.098	14
trans-1,2-Dichloroethene	0.032	0.11	1.8
1,2-Dichloropropane	0.023	0.081	0.079
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	0.061
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.076
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	1.9
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120559 P-21S ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	3.0
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 96.9 %
Surrogate Recovery on d8-Toluene = 98.6 %
Surrogate Recovery on Bromofluorobenzene = 96.1 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120560 P-31S ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	ND
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	0.040
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	0.14
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	0.12
Toluene	0.025	0.097	0.033
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	0.089
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120560 P-31S ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 97.0 %
Surrogate Recovery on d8-Toluene = 100 %
Surrogate Recovery on Bromofluorobenzene = 93.7 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120561 P-31IA ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.056
Chloromethane	0.049	0.17	0.058
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	2.3
1,1-Dichloroethane	0.028	0.098	1.5
1,2-Dichloroethane	0.022	0.076	0.083
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	9.7
trans-1,2-Dichloroethene	0.032	0.11	0.065
1,2-Dichloropropane	0.023	0.081	0.29
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	0.11
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	11
Toluene	0.025	0.097	0.041
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	0.20
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	3.5
Trichlorofluoromethane	0.054	0.19	0.51
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120561 P-31IA ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 97.6 %
Surrogate Recovery on d8-Toluene = 99.3 %
Surrogate Recovery on Bromofluorobenzene = 97.6 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120562 P-31IB ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.045
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	2.4
1,1-Dichloroethane	0.028	0.098	1.6
1,2-Dichloroethane	0.022	0.076	0.087
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	9.8
trans-1,2-Dichloroethene	0.032	0.11	0.056
1,2-Dichloropropane	0.023	0.081	0.31
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	0.12
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	11
Toluene	0.025	0.097	0.032
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	0.20
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	3.7
Trichlorofluoromethane	0.054	0.19	0.53
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120562 P-31IB ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 92.4 %
Surrogate Recovery on d8-Toluene = 92.8 %
Surrogate Recovery on Bromofluorobenzene = 88.4 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120563 P-31ID ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.057
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.056
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120563 P-31ID ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 101 %
Surrogate Recovery on d8-Toluene = 103 %
Surrogate Recovery on Bromofluorobenzene = 99.6 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120564 P-40I ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.035
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	1.5
1,1-Dichloroethane	0.028	0.098	0.67
1,2-Dichloroethane	0.022	0.076	0.050
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	6.8
trans-1,2-Dichloroethene	0.032	0.11	0.035
1,2-Dichloropropane	0.023	0.081	0.17
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	0.095
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	6.8
Toluene	0.025	0.097	0.036
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	0.13
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	2.0
Trichlorofluoromethane	0.054	0.19	0.38
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120564 P-40I ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 102 %
Surrogate Recovery on d8-Toluene = 104 %
Surrogate Recovery on Bromofluorobenzene = 102 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120565 P-30I ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	ND
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120565 P-30I ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 98.0 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120566 P-30D ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.034
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.047
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120566 P-30D ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 108 %
Surrogate Recovery on d8-Toluene = 108 %
Surrogate Recovery on Bromofluorobenzene = 105 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120567 P-40D ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.042
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	0.096
1,1-Dichloroethane	0.028	0.098	0.039
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	0.28
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	0.54
Toluene	0.025	0.097	0.064
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	0.11
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120567 P-40D ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 106 %
Surrogate Recovery on d8-Toluene = 108 %
Surrogate Recovery on Bromofluorobenzene = 106 %

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120568 P-2P 41D ug/L
Benzene	0.084	0.30	ND
Bromobenzene	0.091	0.32	ND
Bromochloromethane	0.12	0.41	ND
Bromodichloromethane	0.089	0.31	ND
Bromoform	0.13	0.45	ND
Bromomethane	0.17	0.59	ND
n-Butylbenzene	0.086	0.31	ND
sec-Butylbenzene	0.15	0.54	ND
tert-Butylbenzene	0.16	0.56	ND
Carbon Tetrachloride	0.091	0.32	ND
Chlorobenzene	0.13	0.45	ND
Chloroethane	0.16	0.58	ND
Chloroform	0.088	0.31	ND
Chloromethane	0.14	0.51	ND
2-Chlorotoluene	0.13	0.46	ND
4-Chlorotoluene	0.11	0.38	ND
Dibromochloromethane	0.11	0.38	ND
1,2-Dibromo-3-Chloropropane	0.12	0.41	ND
1,2-Dibromoethane	0.095	0.33	ND
Dibromomethane	0.13	0.46	ND
1,2-Dichlorobenzene	0.15	0.52	ND
1,3-Dichlorobenzene	0.12	0.42	ND
1,4-Dichlorobenzene	0.12	0.44	ND
Dichlorodifluoromethane	0.088	0.31	ND
1,1-Dichloroethane	0.075	0.27	ND
1,2-Dichloroethane	0.090	0.32	ND
1,1-Dichloroethene	0.083	0.29	ND
cis-1,2-Dichloroethene	0.081	0.29	ND
trans-1,2-Dichloroethene	0.094	0.33	ND
1,2-Dichloropropane	0.12	0.41	ND
1,3-Dichloropropane	0.12	0.44	ND
2,2-Dichloropropane	0.13	0.47	ND
1,1-Dichloropropene	0.084	0.30	ND
cis-1,3-Dichloropropene	0.10	0.36	ND
trans-1,3-Dichloropropene	0.079	0.28	ND
Ethylbenzene	0.10	0.36	ND
Hexachlorobutadiene	0.12	0.44	ND
Isopropylbenzene	0.11	0.40	ND
p-Isopropyltoluene	0.11	0.39	ND
Methylene chloride	0.14	0.51	ND
Naphthalene	0.19	0.68	ND
n-Propylbenzene	0.12	0.42	ND
Styrene	0.15	0.51	ND
ortho-Xylene	0.13	0.45	ND
1,1,1,2-Tetrachloroethane	0.077	0.27	ND
1,1,2,2-Tetrachloroethane	0.16	0.57	ND
Tetrachloroethene	0.095	0.34	ND
Toluene	0.098	0.35	0.10
1,2,3-Trichlorobenzene	0.10	0.36	ND
1,2,4-Trichlorobenzene	0.10	0.35	ND
1,1,1-Trichloroethane	0.10	0.36	ND
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.086	0.30	ND
Trichlorofluoromethane	0.088	0.31	ND

ANALYTICAL RESULTS: GCMS 524.2 Safe Drinking Water Analysis

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120568 P-2P 41D ug/L
1,2,3-Trichloropropane	0.22	0.79	ND
1,2,4-Trimethylbenzene	0.12	0.42	ND
1,3,5-Trimethylbenzene	0.095	0.34	ND
Vinyl chloride	0.11	0.40	ND
meta,para-Xylene	0.22	0.77	ND

Surrogate Recovery on 4-Bromofluorobenzene = 106 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120569 P-22S ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.037
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	1.8
1,1-Dichloroethane	0.028	0.098	0.69
1,2-Dichloroethane	0.022	0.076	0.058
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	7.2
trans-1,2-Dichloroethene	0.032	0.11	0.042
1,2-Dichloropropane	0.023	0.081	0.18
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	0.052
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	6.7
Toluene	0.025	0.097	0.035
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	0.13
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	2.2
Trichlorofluoromethane	0.054	0.19	0.45
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120569 P-22S ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 97.6 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 97.9 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120570 P-27D ug/L
Benzene	0.040	0.14	0.043
Bromobenzene	0.075	0.27	ND
Bromochloromethane	0.11	0.38	ND
Bromodichloromethane	0.085	0.30	ND
Bromoform	0.090	0.32	ND
Bromomethane	0.19	0.66	ND
n-Butylbenzene	0.078	0.28	ND
sec-Butylbenzene	0.062	0.22	ND
tert-Butylbenzene	0.085	0.30	ND
Carbon Tetrachloride	0.078	0.28	ND
Chlorobenzene	0.12	0.44	ND
Chloroethane	1.4	5.0	ND
Chloroform	0.068	0.23	0.22
Chloromethane	0.12	0.43	ND
2-Chlorotoluene	0.069	0.24	ND
4-Chlorotoluene	0.055	0.19	ND
Dibromochloromethane	0.078	0.28	ND
1,2-Dibromo-3-Chloropropane	0.15	0.54	ND
1,2-Dibromoethane	0.050	0.18	ND
Dibromomethane	0.19	0.67	ND
1,2-Dichlorobenzene	0.091	0.32	ND
1,3-Dichlorobenzene	0.082	0.30	ND
1,4-Dichlorobenzene	0.13	0.45	ND
Dichlorodifluoromethane	0.075	0.26	2.7
1,1-Dichloroethane	0.070	0.24	2.2
1,2-Dichloroethane	0.055	0.19	ND
1,1-Dichloroethene	0.062	0.22	0.078
cis-1,2-Dichloroethene	0.069	0.24	4.0
trans-1,2-Dichloroethene	0.080	0.28	ND
1,2-Dichloropropane	0.058	0.20	0.29
1,3-Dichloropropane	0.085	0.30	ND
2,2-Dichloropropane	0.078	0.28	ND
1,1-Dichloropropene	0.055	0.19	ND
cis-1,3-Dichloropropene	0.068	0.24	ND
trans-1,3-Dichloropropene	0.13	0.46	ND
Ethylbenzene	0.060	0.21	ND
Hexachlorobutadiene	0.14	0.50	ND
Isopropylbenzene	0.062	0.22	ND
p-Isopropyltoluene	0.095	0.34	ND
Methylene chloride	0.060	0.21	0.66
Naphthalene	0.29	1.0	ND
n-Propylbenzene	0.072	0.29	ND
Styrene	0.062	0.22	ND
1,1,1,2-Tetrachloroethane	0.090	0.32	ND
1,1,2,2-Tetrachloroethane	0.14	0.50	ND
Tetrachloroethene	0.098	0.34	42
Toluene	0.062	0.24	0.10
1,2,3-Trichlorobenzene	0.14	0.50	ND
1,2,4-Trichlorobenzene	0.14	0.49	ND
1,1,1-Trichloroethane	0.22	0.78	1.0
1,1,2-Trichloroethane	0.14	0.48	ND
Trichloroethene	0.074	0.26	7.3
Trichlorofluoromethane	0.14	0.48	1.7
1,2,3-Trichloropropane	0.092	0.32	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120570 P-27D ug/L
1,2,4-Trimethylbenzene	0.080	0.28	ND
1,3,5-Trimethylbenzene	0.062	0.22	ND
Vinyl chloride	0.11	0.40	ND
ortho-Xylene	0.070	0.24	ND
meta,para-Xylene	0.13	0.46	ND

Surrogate Recovery on Dibromofluoromethane = 98.6 %
Surrogate Recovery on d8-Toluene = 102 %
Surrogate Recovery on Bromofluorobenzene = 97.0 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120571 P-27S ug/L
Benzene	0.032	0.11	ND
Bromobenzene	0.060	0.21	ND
Bromochloromethane	0.087	0.31	ND
Bromodichloromethane	0.068	0.24	ND
Bromoform	0.072	0.25	ND
Bromomethane	0.15	0.53	ND
n-Butylbenzene	0.062	0.22	ND
sec-Butylbenzene	0.050	0.18	ND
tert-Butylbenzene	0.068	0.24	ND
Carbon Tetrachloride	0.062	0.22	ND
Chlorobenzene	0.098	0.35	ND
Chloroethane	1.1	4.0	ND
Chloroform	0.054	0.19	0.088
Chloromethane	0.098	0.35	ND
2-Chlorotoluene	0.055	0.19	ND
4-Chlorotoluene	0.044	0.15	ND
Dibromochloromethane	0.062	0.22	ND
1,2-Dibromo-3-Chloropropane	0.12	0.43	ND
1,2-Dibromoethane	0.040	0.14	ND
Dibromomethane	0.15	0.54	ND
1,2-Dichlorobenzene	0.073	0.26	ND
1,3-Dichlorobenzene	0.066	0.24	ND
1,4-Dichlorobenzene	0.10	0.36	ND
Dichlorodifluoromethane	0.060	0.21	1.3
1,1-Dichloroethane	0.056	0.20	1.3
1,2-Dichloroethane	0.044	0.15	ND
1,1-Dichloroethene	0.050	0.17	ND
cis-1,2-Dichloroethene	0.055	0.20	0.86
trans-1,2-Dichloroethene	0.064	0.22	ND
1,2-Dichloropropane	0.046	0.16	0.27
1,3-Dichloropropane	0.068	0.24	ND
2,2-Dichloropropane	0.062	0.22	ND
1,1-Dichloropropene	0.044	0.15	ND
cis-1,3-Dichloropropene	0.054	0.19	ND
trans-1,3-Dichloropropene	0.10	0.37	ND
Ethylbenzene	0.048	0.17	ND
Hexachlorobutadiene	0.11	0.40	ND
Isopropylbenzene	0.050	0.18	ND
p-Isopropyltoluene	0.076	0.27	ND
Methylene chloride	0.048	0.17	0.088
Naphthalene	0.23	0.82	ND
n-Propylbenzene	0.058	0.23	ND
Styrene	0.050	0.18	ND
1,1,1,2-Tetrachloroethane	0.072	0.25	ND
1,1,2,2-Tetrachloroethane	0.11	0.40	ND
Tetrachloroethene	0.078	0.27	25
Toluene	0.050	0.19	0.082
1,2,3-Trichlorobenzene	0.11	0.40	ND
1,2,4-Trichlorobenzene	0.11	0.39	ND
1,1,1-Trichloroethane	0.17	0.62	0.60
1,1,2-Trichloroethane	0.11	0.39	ND
Trichloroethene	0.059	0.21	4.2
Trichlorofluoromethane	0.11	0.38	0.92
1,2,3-Trichloropropane	0.074	0.26	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120571 P-27S ug/L
1,2,4-Trimethylbenzene	0.064	0.23	ND
1,3,5-Trimethylbenzene	0.050	0.18	ND
Vinyl chloride	0.090	0.32	ND
ortho-Xylene	0.056	0.20	ND
meta,para-Xylene	0.10	0.37	ND

Surrogate Recovery on Dibromofluoromethane = 98.7 %
Surrogate Recovery on d8-Toluene = 99.3 %
Surrogate Recovery on Bromofluorobenzene = 94.8 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120572 P-29S ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.056
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	2.9
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	0.96
Toluene	0.025	0.097	0.051
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	0.53
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120572 P-29S ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 97.1 %
Surrogate Recovery on d8-Toluene = 100 %
Surrogate Recovery on Bromofluorobenzene = 99.1 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120573 Trip Blank ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	ND
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	ND
1,1-Dichloroethane	0.028	0.098	ND
1,2-Dichloroethane	0.022	0.076	ND
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	ND
trans-1,2-Dichloroethene	0.032	0.11	ND
1,2-Dichloropropane	0.023	0.081	ND
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	ND
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	ND
Toluene	0.025	0.097	0.11
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	ND
Trichlorofluoromethane	0.054	0.19	ND
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120573 Trip Blank ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 100 %
Surrogate Recovery on d8-Toluene = 102 %
Surrogate Recovery on Bromofluorobenzene = 101 %

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120574 P-22D ug/L
Benzene	0.016	0.057	ND
Bromobenzene	0.030	0.11	ND
Bromochloromethane	0.044	0.15	ND
Bromodichloromethane	0.034	0.12	ND
Bromoform	0.036	0.13	ND
Bromomethane	0.075	0.27	ND
n-Butylbenzene	0.031	0.11	ND
sec-Butylbenzene	0.025	0.090	ND
tert-Butylbenzene	0.034	0.12	ND
Carbon Tetrachloride	0.031	0.11	ND
Chlorobenzene	0.049	0.17	ND
Chloroethane	0.57	2.0	ND
Chloroform	0.027	0.093	0.036
Chloromethane	0.049	0.17	ND
2-Chlorotoluene	0.028	0.097	ND
4-Chlorotoluene	0.022	0.077	ND
Dibromochloromethane	0.031	0.11	ND
1,2-Dibromo-3-Chloropropane	0.061	0.22	ND
1,2-Dibromoethane	0.020	0.070	ND
Dibromomethane	0.076	0.27	ND
1,2-Dichlorobenzene	0.036	0.13	ND
1,3-Dichlorobenzene	0.033	0.12	ND
1,4-Dichlorobenzene	0.051	0.18	ND
Dichlorodifluoromethane	0.030	0.10	1.2
1,1-Dichloroethane	0.028	0.098	0.58
1,2-Dichloroethane	0.022	0.076	0.050
1,1-Dichloroethene	0.025	0.086	ND
cis-1,2-Dichloroethene	0.028	0.098	7.0
trans-1,2-Dichloroethene	0.032	0.11	0.036
1,2-Dichloropropane	0.023	0.081	0.15
1,3-Dichloropropane	0.034	0.12	ND
2,2-Dichloropropane	0.031	0.11	ND
1,1-Dichloropropene	0.022	0.077	ND
cis-1,3-Dichloropropene	0.027	0.097	ND
trans-1,3-Dichloropropene	0.052	0.18	ND
Ethylbenzene	0.024	0.086	ND
Hexachlorobutadiene	0.056	0.20	ND
Isopropylbenzene	0.025	0.090	ND
p-Isopropyltoluene	0.038	0.13	ND
Methylene chloride	0.024	0.084	0.071
Naphthalene	0.12	0.41	ND
n-Propylbenzene	0.029	0.12	ND
Styrene	0.025	0.089	ND
1,1,1,2-Tetrachloroethane	0.036	0.13	ND
1,1,2,2-Tetrachloroethane	0.057	0.20	ND
Tetrachloroethene	0.039	0.14	5.9
Toluene	0.025	0.097	0.036
1,2,3-Trichlorobenzene	0.057	0.20	ND
1,2,4-Trichlorobenzene	0.055	0.20	ND
1,1,1-Trichloroethane	0.087	0.31	ND
1,1,2-Trichloroethane	0.055	0.19	ND
Trichloroethene	0.030	0.10	1.8
Trichlorofluoromethane	0.054	0.19	0.23
1,2,3-Trichloropropane	0.037	0.13	ND

ANALYTICAL RESULTS: VOCs by EPA 8260-Water Extended List

Customer: Environmental Sampling Corporation
Project Description: Nov. 96 - Semi-Annual Monitoring
Northern Lake Service Project Number: 30838

Analyte Name	LOD ug/L	LOQ ug/L	120574 P-22D ug/L
1,2,4-Trimethylbenzene	0.032	0.11	ND
1,3,5-Trimethylbenzene	0.025	0.089	ND
Vinyl chloride	0.045	0.16	ND
ortho-Xylene	0.028	0.098	ND
meta,para-Xylene	0.052	0.18	ND

Surrogate Recovery on Dibromofluoromethane = 95.9 %
Surrogate Recovery on d8-Toluene = 101 %
Surrogate Recovery on Bromofluorobenzene = 93.0 %

NORTHERN LAKE SERVICE, INC.

400 NORTH LAKE AVENUE
CRANDON, WI 54520 (715)478-2777

ORDER OF ANALYSIS

RESULTS ORDERED BY:	CHAIN OF CUSTODY RECORD NUMBER:
ESC P.O. Box 12 Mushroo, WI 53185	22653
	QUOTATION NUMBER:
	ANALYZE FOR DISSOLVED OR TOTAL PARAMETERS?
SEND RESULTS TO:	SEND INVOICE TO:
ESC P.O. Box 12 Mushroo, WI. 53185	ESC P.O. Box 12 Mushroo, WI. 53185

Note "L" for low level ICP analysis, and "F" for furnace analysis.

Samples on line #s: 1, 2, 3, 4, 5 to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ■ -by EPA 624/8260
- ☐ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

Samples on line #s: 6, 7, 8, 9, 10, 11, 12 to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ■ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ■ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ■ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ☐ -by EPA 624/8260
- ■ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

SPECIAL INSTRUCTIONS: _____

NORTHERN LAKE SERVICE, INC.

400 NORTH LAKE AVENUE
CRANDON, WI 54520 (715)478-2777

ORDER OF ANALYSIS

RESULTS ORDERED BY:	CHAIN OF CUSTODY RECORD NUMBER:
ESC P.O. Box 12 Muskego, WI 53185	22656
	QUOTATION NUMBER:
	ANALYZE FOR DISSOLVED OR TOTAL PARAMETERS?
SEND RESULTS TO:	SEND INVOICE TO:
ESC P.O. Box 12 Muskego, WI. 53185	ESC P.O. Box 12 Muskego, WI. 53185

Note "L" for low level ICP analysis, and "F" for furnace analysis.

Samples on line #s: 1,2,3,4,5,6,7,8,10,11 to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____
- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____
- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List
- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ■ -by EPA 624/8260
- ☐ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

Samples on line #s: 9, 12 to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____
- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____
- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List
- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ☐ -by EPA 624/8260
- ■ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

SPECIAL INSTRUCTIONS: _____

NORTHERN LAKE SERVICE, INC.

400 NORTH LAKE AVENUE
CRANDON, WI 54520 (715)478-2777

ORDER OF ANALYSIS

RESULTS ORDERED BY:	CHAIN OF CUSTODY RECORD NUMBER:
ESC P.O. Box 12 Mushkego, WI 53185	22643
	QUOTATION NUMBER:
	ANALYZE FOR DISSOLVED OR TOTAL PARAMETERS?
SEND RESULTS TO:	SEND INVOICE TO:
ESC P.O. Box 12 Mushkego, WI. 53185	ESC P.O. Box 12 Mushkego, WI. 53185

Note "L" for low level ICP analysis, and "F" for furnace analysis.

Samples on line #s: 1, 2, 3, 4, 5, 6 to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ■ -by EPA 624/8260
- ☐ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

Samples on line #s: _____ to be analyzed for the parameters checked below:

- ☐ Alkalinity, total
- ☐ Alkalinity, bicarb.
- ☐ Aluminum
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ B.O.D.-5
- ☐ Boron
- ☐ Cadmium
- ☐ Calcium
- ☐ C.O.D.
- ☐ Chloride
- ☐ Chromium
- ☐ Chromium, hexavalent
- ☐ Cobalt
- ☐ Coliform, fecal
- ☐ Coliform, total
- ☐ Color
- ☐ Conductivity
- ☐ Copper
- ☐ _____

- ☐ Cyanide, total
- ☐ Amenable
- ☐ Fluoride
- ☐ Hardness
- ☐ Iron
- ☐ Lead
- ☐ Magnesium
- ☐ Manganese
- ☐ Mercury
- ☐ Molybdenum
- ☐ Nickel
- ☐ Nitrogen, total
- ☐ Ammonia
- ☐ Nitrate
- ☐ Nitrite
- ☐ Nitrate + Nitrite
- ☐ Total Kjeldahl
- ☐ Total Organic
- ☐ Oil & Grease
- ☐ pH
- ☐ _____
- ☐ _____

- ☐ Phenols
- ☐ Phosphorus, total
- ☐ Tot. reactive
- ☐ Dis. reactive
- ☐ Potassium
- ☐ Selenium
- ☐ Silica
- ☐ Silver
- ☐ Sodium
- ☐ Solids, total
- ☐ Tot. dissolved
- ☐ Tot. suspended
- ☐ Sulfate
- ☐ Sulfide
- ☐ Surfactants (MBAS)
- ☐ Thallium
- ☐ Tin
- ☐ T.O.C.
- ☐ Turbidity
- ☐ Vanadium
- ☐ Zinc
- ☐ Munic.Sludge,WI List

- ☐ Acid Extractables by 625/8270
- ☐ Base/Neutral Extractables by 625/8270
- ☐ BNAs by 625/8270
- ☐ Chlorinated Hydrocarbons by 612
- ☐ Haloethers by 611
- ☐ Nitrosamines by 607
- ☐ Pesticides-Organochlorine by 608/8080
- ☐ Pesticides-Organophosphate by 8141
- ☐ PCBs by 608/8080
- ☐ Phenols by GC 604/8040
- ☐ Phenoxy Acid Herbicides by 8150
- ☐ TCLP-metals ☐ TCLP-VOCs ☐ TCLP-BNAs
- ☐ TCLP-pesticides/herbicides
- ☐ VOCs by EPA 601+602 or 8010+8020
- ☐ -by EPA 8021
- ☐ -by EPA 624/8260
- ☐ -by EPA 524.2 (SDWA)
- ☐ BTEX by 8020
- ☐ PVOCs by 8020
- ☐ GRO-WI Modified ☐ GRO + PVOCs
- ☐ DRO-WI Modified
- ☐ PAHs by 610LC/8310

SPECIAL INSTRUCTIONS: _____

GROUNDWATER MONITORING DATA CERTIFICATION

The enclosed tape or diskette contains data for the following facility or facilities:

FID Number	License	Facility Name	Date of Sample
	01953	Refuse Hideaway Landfill	11/96
	01953	Refuse Hideaway Landfill	5/96
	01953	Refuse Hideaway Landfill	11/95
	01953	Refuse Hideaway Landfill	5/95

Please check one of the following:

[✓] An exceedence notification and explanation is attached.
[ ] An exceedence notification is not attached because there are no exceedences to report.

I hereby certify that the above enclosed tape or diskette is accurately represented in the accompanying printout. To the best of my knowledge, the information reported and the statments made on this printout and tape or diskette are true and correct. Furthermore, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedences, if any, which includes a list of the wells at which the exceedences occurred and a preliminary analysis of the cause and significance of the concentration.

Signature

12/10/96
Date

DIRECTOR
Title

(414) 885-3157
Contact/Phone

**Please enclose two copies of this data certification for each license number listed above.

Environmental Sampling Corporation
Refuse Hideaway Landfill
10-MAY-95

Lab ID: 721026460
NLS Project: 18148
Collected: 10-MAY-95
License Number: 01953
Facility ID Number:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES
#9335 P-20SR	Tetrachloroethylene	ug/L	3.5	0.50	5.0
#9336 P-21S	Benzene	ug/L	3.0	0.50	5.0
#9340 P-31IA	Tetrachloroethylene	ug/L	14	0.50	5.0
#9340 P-31IA	Trichloroethylene	ug/L	3.9	0.50	5.0
#9342 P-40I	Tetrachloroethylene	ug/L	8.0	0.50	5.0
#9349 RB-1	1,2-Dichloroethane	ug/L	0.51	0.50	5.0
#9365 P-27D	Tetrachloroethylene	ug/L	53	0.50	5.0
#9365 P-27D	Trichloroethylene	ug/L	8.6	0.50	5.0
#9367 P-27S	Tetrachloroethylene	ug/L	37	0.50	5.0
#9367 P-27S	Trichloroethylene	ug/L	5.3	0.50	5.0
#9368 P-22D	Tetrachloroethylene	ug/L	6.8	0.50	5.0
#9368 P-22D	Trichloroethylene	ug/L	2.2	0.50	5.0
#9369 P-22S	1,2-Dichloroethylene	ug/L	8.3	7.0	70
#9369 P-22S	Tetrachloroethylene	ug/L	9.3	0.50	5.0
#9369 P-22S	Trichloroethylene	ug/L	3.4	0.50	5.0
#9371 P-17S	1,2-Dichloroethylene	ug/L	110	7.0	70
#9371 P-17S	1,2-Dichloropropane	ug/L	5.1	0.50	5.0
#9371 P-17S	Benzene	ug/L	1.4	0.50	5.0
#9371 P-17S	Tetrachloroethylene	ug/L	13	0.50	5.0
#9371 P-17S	Trichloroethylene	ug/L	20	0.50	5.0

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 22655

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

CLIENT	PROJECT TITLE
WDNR - REFUSE HIDEAWAY LANDFILL	NOV. - 96 - SEMI - ANNUAL MONITORING
ADDRESS	PROJECT NO. / P.O. NO.
CITY / STATE / ZIP: MIDDLETON, WI	CONTACT: FRANK P. / PHONE: (414) 835-3157

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLE TYPE	GRAB/ COMP.	CONTAINER/PRESERVATIVE V/H	COLLECTION REMARKS
1.	120545	P-34S	1996 11/12	1415	GW	G	2	
2.	120546	P-34D	11/12	1410	GW	G	2	
3.	120547	P-35S	11/12	1600	GW	G	2	
4.	120548	P-35D	11/12	1615	GW	G	2	
5.	120549	DUP01/P-35D	11/12	1615	GW	G	2	
6.	120550	PW - J. WAGNER / E. SCHUEBURG	11/12	1130	GW	G	2	
7.	120551	PW - D. SOMMER	11/12	1575	GW	G	2	
8.	120552	PW - L. DURAND	11/12	1320	GW	G	2	
9.	120553	PW - A. THESEAN / S. FOSTER	11/12	1330	GW	G	2	
10.	120554	PW - D. KNOCHE	11/12	1400	GW	G	2	
11.	120555	PW - W. RAMOS	11/12	1430	GW	G	2	
12.	120556	PW - A. SATHER	11/13	1020	GW	G	2	

SAMPLE TYPE:
SW = surface water; WW = wastewater; GW = groundwater; DW = drinking water; TIS = tissue; AIR = air; PROD = product; SOIL = soil; SED = sediment; describe others

CONTAINER: P = plastic; G = glass; V = glass vial; B = plastic bag; describe others

PRESERVATIVES & PREPARATION: NP = nothing added; S = sulfuric acid; N = nitric acid; Z = zinc acetate; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid; F = field filtered

COLLECTED BY (signatures): V. Stroh	CUSTODY SEAL NO. (IF ANY): 11/13/FC	DATE/TIME: 1800
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
Stacy Slater	11/14/96 10:45	Good	

SEAL INTACT? ☐ YES ☐ NO | SEAL # | REMARKS & OTHER INFORMATION

Samples Delivered By Wilkam

IMPORTANT: 1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 22656

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

CLIENT	PROJECT TITLE
WDNR - Refuse Hideaway Landfill	NOV. - 96 SEMI-ANNUAL MONITOR.
ADDRESS	PROJECT NO. / P.O. NO.
CITY / STATE / ZIP: Middleton, WI.	CONTACT: Frank P. / PHONE: (414) 835-3157

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE (1996)	COLLECTION TIME	SAMPLE TYPE	GRAB/ COMP.	CONTAINER/PRESERVATIVE V/H					COLLECTION REMARKS
1.	120557	P-17S	11/11	1340	GW	G	2					
2.	120558	P-20SR	11/11	1330	GW	G	2					
3.	120559	P-21S	11/11	1530	GW	G	2					
4.	120560	P-31S	11/11	1540	GW	G	2					
5.	120561	P-31IA	11/11	1605	GW	G	2					
6.	120562	P-31IB	11/11	1530	GW	G	2					
7.	120563	P-31ID	11/11	1625	GW	G	2			1		
8.	120564	P-40I	11/12	1000	GW	G	2			1		
9.	120565	P-30I	11/12	815	GW	G	2					
10.	120566	P-30D	11/12	1000	GW	G	2					
11.	120567	P-40D	11/12	940	GW	G	2					
12.	120568	P-~~29~~41D	11/12	1100	GW	G	2					

SAMPLE TYPE: 20

SW = surface water	DW = drinking water	PROD = product
WW = wastewater	TIS = tissue	SOIL = soil
GW = groundwater	AIR = air	SED = sediment

describe others

CONTAINER

P = plastic
G = glass
V = glass vial
B = plastic bag

describe others

PRESERVATIVES & PREPARATION

NP = nothing added
S = sulfuric acid
N = nitric acid
Z = zinc acetate
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid
F = field filtered

COLLECTED BY (signatures)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
J. Stark		11/13/96 1800
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP
Traci Huber	11/14/96 10:45	OK - ICE	

SEAL INTACT? ☐ YES ☐ NO	SEAL #	REMARKS & OTHER INFORMATION

Samples rec'd by N.P.S.

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 22643

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.

CLIENT	PROJECT TITLE	
WDNR - Refuse Hideaway Landfill	NOV. - 96 SEMI-ANNUAL MONITORING	
ADDRESS	PROJECT NO.	P.O. NO.
CITY / STATE / ZIP: MIDDLETON, WI	CONTACT: FRANK P.	PHONE: (414) 895-3157

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLE TYPE	GRAB/ COMP.	CONTAINER/PRESERVATIVE U/H	COLLECTION REMARKS
1.	120574	P-22D	11/13	1315	GW	G	2	
2.	120569	P-22S	11/13	1300	GW	G	2	
3.	120570	P-27D	11/13	1020	GW	G	2	
4.	120571	P-27S	11/13	1030	GW	G	2	
5.	120572	P-29S	11/13	1230	GW	G	2	
6.	120573	TRIP BLANK	11/96	-	-	-	2	
7.								
8.								
9.								
10.								
11.								
12.								

SAMPLE TYPE:
SW = surface water; DW = drinking water; PROD = product
WW = wastewater; TIS = tissue; SOIL = soil
GW = groundwater; AIR = air; SED = sediment
describe others

CONTAINER
P = plastic; G = glass; V = glass vial; B = plastic bag
describe others

PRESERVATIVES & PREPARATION
NP = nothing added; S = sulfuric acid; N = nitric acid; Z = zinc acetate; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid
F = field filtered

COLLECTED BY (signatures) V. SIG		CUSTODY SEAL NO. (IF ANY) 11/13/96	DATE/TIME 1800
RELINQUISHED BY (signature)	RECEIVED BY (signature)	11/13/96	DATE/TIME 1820
RELINQUISHED BY (signature)	RECEIVED BY (signature)		DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT		DATE/TIME

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP
Tracy Huber	11/14/96 1045	OK Ice	
SEAL INTACT? ☐ YES ☐ NO	SEAL #	REMARKS & OTHER INFORMATION	

Samples hand by Dutch

IMPORTANT: 1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

DUPLICATE COPY

Environmental Sampling Corporation
Refuse Hideaway Landfill
07-NOV-95

Lab ID: 721026460
NLS Project: 18239
Collected: 07-NOV-95
License Number: 01953
Facility ID Number:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES
P-17S	1,2-Dichloroethane	ug/L	1.8	0.50	5.0
P-17S	1,2-Dichloroethylene	ug/L	110	7.0	70
P-17S	1,2-Dichloropropane	ug/L	4.2	0.50	5.0
P-17S	Benzene	ug/L	1.0	0.50	5.0
P-17S	Tetrachloroethylene	ug/L	13	0.50	5.0
P-17S	Trichloroethylene	ug/L	22	0.50	5.0
P-17S	Vinyl Chloride	ug/L	4.1	0.020	0.20
P-20SR	Tetrachloroethylene	ug/L	4.0	0.50	5.0
P-21S	1,2-Dichloroethylene	ug/L	9.6	7.0	70
P-21S	Benzene	ug/L	2.3	0.50	5.0
P-21S	Trichloroethylene	ug/L	2.2	0.50	5.0
P-21S	Vinyl Chloride	ug/L	4.4	0.020	0.20
P-22D	Tetrachloroethylene	ug/L	7.9	0.50	5.0
P-22D	Trichloroethylene	ug/L	2.1	0.50	5.0
P-22D	Vinyl Chloride	ug/L	0.032	0.020	0.20
P-22S	1,2-Dichloroethylene	ug/L	8.2	7.0	70
P-22S	Tetrachloroethylene	ug/L	9.2	0.50	5.0
P-22S	Trichloroethylene	ug/L	2.8	0.50	5.0
P-22S	Vinyl Chloride	ug/L	0.041	0.020	0.20
P-27D	Methylene chloride	ug/L	0.78	0.50	5.0
P-27D	Tetrachloroethylene	ug/L	57	0.50	5.0
P-27D	Trichloroethylene	ug/L	9.0	0.50	5.0
P-27D	Vinyl Chloride	ug/L	0.22	0.020	0.20
P-27S	Tetrachloroethylene	ug/L	39	0.50	5.0
P-27S	Trichloroethylene	ug/L	5.3	0.50	5.0

P-29S	Tetrachloroethylene	ug/L	1.3	0.50	5.0
P-31IA	1,2-Dichloroethylene	ug/L	9.3	7.0	70
P-31IA	Tetrachloroethylene	ug/L	10	0.50	5.0
P-31IA	Trichloroethylene	ug/L	3.0	0.50	5.0
P-31IB	1,2-Dichloroethylene	ug/L	10	7.0	70
P-31IB	Tetrachloroethylene	ug/L	14	0.50	5.0
P-31IB	Trichloroethylene	ug/L	3.7	0.50	5.0
P-40D	Tetrachloroethylene	ug/L	0.89	0.50	5.0
P-40I	Tetrachloroethylene	ug/L	8.3	0.50	5.0
P-40I	Trichloroethylene	ug/L	2.2	0.50	5.0
P-40I	Vinyl Chloride	ug/L	0.036	0.020	0.20

Environmental Sampling Corporation
Refuse Hideaway Landfill
28-MAY-96

Lab ID: 721026460
NLS Project: 27507
Collected: 28-MAY-96
License Number: 01953
Facility ID Number:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES
Dup01/P22D	1,2-Dichloroethylene	ug/L	7.4	7.0	70
Dup01/P22D	Tetrachloroethylene	ug/L	7.2	0.50	5.0
Dup01/P22D	Trichloroethylene	ug/L	2.0	0.50	5.0
P-17S	1,2-Dichloroethane	ug/L	1.4	0.50	5.0
P-17S	1,2-Dichloroethylene	ug/L	92	7.0	70
P-17S	1,2-Dichloropropane	ug/L	3.6	0.50	5.0
P-17S	Benzene	ug/L	0.70	0.50	5.0
P-17S	Tetrachloroethylene	ug/L	9.2	0.50	5.0
P-17S	Trichloroethylene	ug/L	17	0.50	5.0
P-17S	Vinyl Chloride	ug/L	4.4	0.020	0.20
P-20SR	Tetrachloroethylene	ug/L	3.2	0.50	5.0
P-21S	Vinyl Chloride	ug/L	0.95	0.020	0.20
P-22D	1,2-Dichloroethylene	ug/L	7.4	7.0	70
P-22D	Tetrachloroethylene	ug/L	7.2	0.50	5.0
P-22D	Trichloroethylene	ug/L	2.0	0.50	5.0
P-22S	1,2-Dichloroethylene	ug/L	8.1	7.0	70
P-22S	Tetrachloroethylene	ug/L	8.1	0.50	5.0
P-22S	Trichloroethylene	ug/L	2.8	0.50	5.0
P-22S	Vinyl Chloride	ug/L	0.046	0.020	0.20
P-27D	Tetrachloroethylene	ug/L	47	0.50	5.0
P-27D	Trichloroethylene	ug/L	7.6	0.50	5.0
P-27S	Tetrachloroethylene	ug/L	32	0.50	5.0
P-27S	Trichloroethylene	ug/L	4.6	0.50	5.0
P-29S	Tetrachloroethylene	ug/L	1.3	0.50	5.0
P-31IA	1,2-Dichloroethylene	ug/L	9.9	7.0	70

P-31IA	Tetrachloroethylene	ug/L	12	0.50	5.0
P-31IA	Trichloroethylene	ug/L	3.6	0.50	5.0
P-31IB	1,2-Dichloroethylene	ug/L	8.4	7.0	70
P-31IB	Tetrachloroethylene	ug/L	11	0.50	5.0
P-31IB	Trichloroethylene	ug/L	3.3	0.50	5.0
P-40D	Tetrachloroethylene	ug/L	1.8	0.50	5.0
P-40I	Tetrachloroethylene	ug/L	7.9	0.50	5.0
P-40I	Trichloroethylene	ug/L	2.1	0.50	5.0
PW-Shultz/New	Tetrachloroethylene	ug/L	4.9	0.50	5.0
PW-Shultz/New	Trichloroethylene	ug/L	0.84	0.50	5.0

Environmental Sampling Corporation
Refuse Hideaway Landfill
11-NOV-96

Lab ID: 721026460
NLS Project: 30838
Collected: 11-NOV-96
License Number: 01953
Facility ID Number:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES
P-17S	1,2-Dichloroethane	ug/L	1.1	0.50	5.0
P-17S	1,2-Dichloroethylene	ug/L	83	7.0	70
P-17S	1,2-Dichloropropane	ug/L	3.3	0.50	5.0
P-17S	Benzene	ug/L	0.68	0.50	5.0
P-17S	Tetrachloroethylene	ug/L	9.0	0.50	5.0
P-17S	Trichloroethylene	ug/L	14	0.50	5.0
P-17S	Vinyl Chloride	ug/L	4.1	0.020	0.20
P-20SR	Tetrachloroethylene	ug/L	3.9	0.50	5.0
P-21S	1,2-Dichloroethylene	ug/L	14	7.0	70
P-21S	Benzene	ug/L	1.4	0.50	5.0
P-21S	Trichloroethylene	ug/L	1.9	0.50	5.0
P-21S	Vinyl Chloride	ug/L	3.0	0.020	0.20
P-22D	1,2-Dichloroethylene	ug/L	7.0	7.0	70
P-22D	Tetrachloroethylene	ug/L	5.9	0.50	5.0
P-22D	Trichloroethylene	ug/L	1.8	0.50	5.0
P-22S	1,2-Dichloroethylene	ug/L	7.2	7.0	70
P-22S	Tetrachloroethylene	ug/L	6.7	0.50	5.0
P-22S	Trichloroethylene	ug/L	2.2	0.50	5.0
P-27D	Methylene chloride	ug/L	0.66	0.50	5.0
P-27D	Tetrachloroethylene	ug/L	42	0.50	5.0
P-27D	Trichloroethylene	ug/L	7.3	0.50	5.0
P-27S	Tetrachloroethylene	ug/L	25	0.50	5.0
P-27S	Trichloroethylene	ug/L	4.2	0.50	5.0
P-29S	Tetrachloroethylene	ug/L	0.96	0.50	5.0
P-31IA	1,2-Dichloroethylene	ug/L	9.7	7.0	70

P-31IA	Tetrachloroethylene	ug/L	11	0.50	5.0
P-31IA	Trichloroethylene	ug/L	3.5	0.50	5.0
P-31IB	1,2-Dichloroethylene	ug/L	9.8	7.0	70
P-31IB	Tetrachloroethylene	ug/L	11	0.50	5.0
P-31IB	Trichloroethylene	ug/L	3.7	0.50	5.0
P-40D	Tetrachloroethylene	ug/L	0.54	0.50	5.0
P-40I	Tetrachloroethylene	ug/L	6.8	0.50	5.0
P-40I	Trichloroethylene	ug/L	2.0	0.50	5.0