Sager, John E - DNR

From: Palo, Joseph <Joseph_Palo@golder.com>
Sent: Wednesday, June 27, 2012 9:20 PM
To: Sager, John E - DNR
Subject: RE: Edwards Oil - MERC Spill
Attachments: Edw - MERC Final 10187097_pkg (3).pdf; Figure 2 Edwards Oil Spill Response.pdf

John,

I am sorry for the delay in submitting the required data! Here is the analytical data and the site figure to finalize the Edwards Oil – MERC spill back in July 2011.

The samples were collected in the native soil, just below the fill material placed during the corrective action. We now have three analytical samples showing a clean site in the spill area. No additional work is again recommended.

We are looking forward to having closure on this site.

Once again, I am sorry for the delay. The project got pushed to the back burner and I simply forgot about sending in the data.

Please call if you have any questions.

Thanks for your assistance with this project.

Joseph Palo, P.E. | Senior Project Engineer | **Golder Associates Inc.**
4438 Haines Road, Duluth, Minnesota, USA 55811
T: +1 (218) 724-0088 | **D:** +1 (218) 865 4388 | **F:** +1 (218) 724-0089 | **C:** +1 (218) 780 4638 | **E:** Joseph_Palo@golder.com | **www.golder.com**

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Please consider the environment before printing this email.

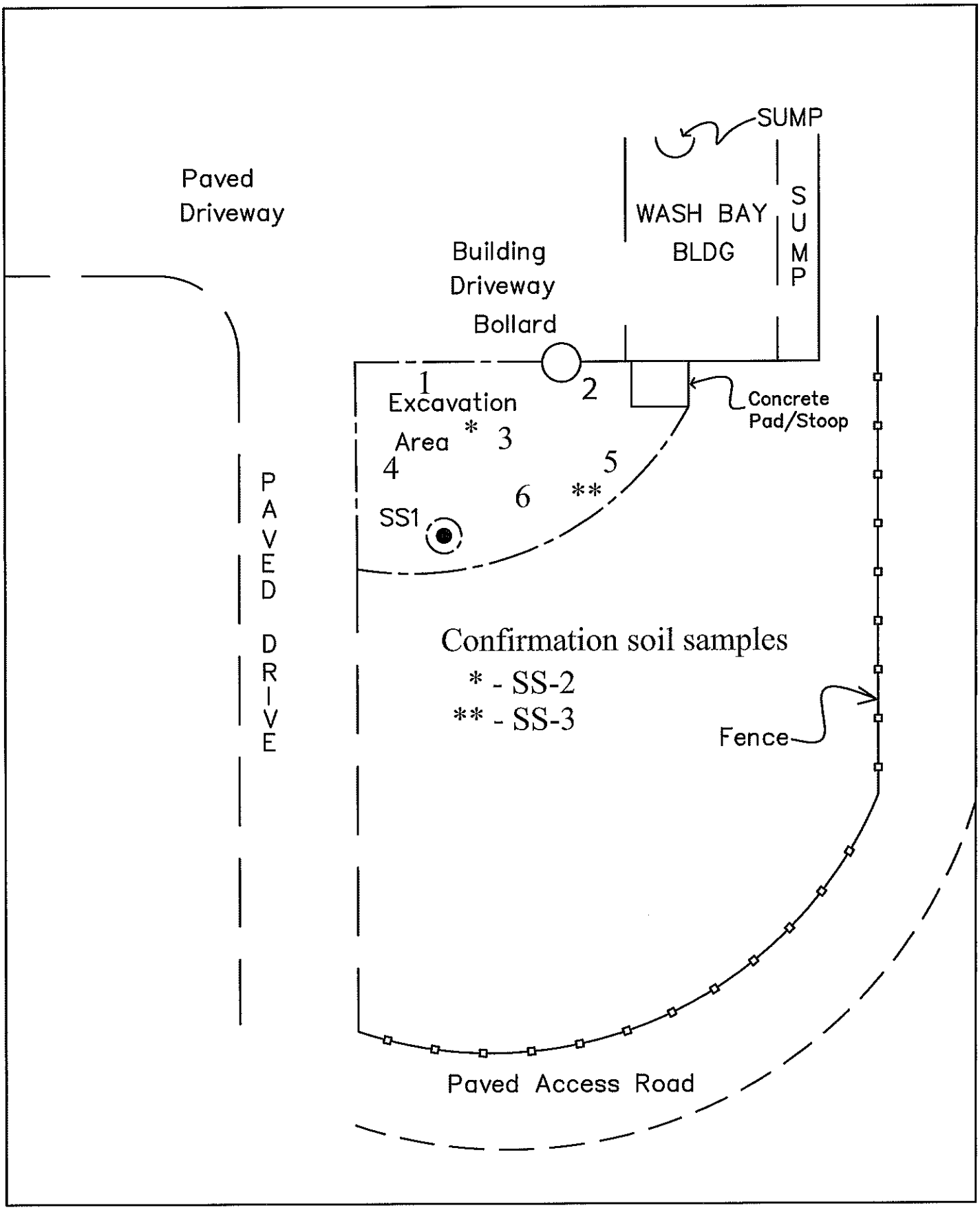
From: Sager, John E - DNR [mailto:John.Sager@Wisconsin.gov]
Sent: Tuesday, January 31, 2012 3:58 PM
To: Palo, Joseph
Subject: Edwards Oil - MERC Spill

Joe,

I reviewed the January 20, 2012 Emergency Response Summary for the Edwards Oil diesel fuel spill. Based on the information contained in the summary I believe a couple additional confirmation samples are necessary from the excavated area in the location of samples 3 and 5 where the elevated PID values were detected. The samples should be

analyzed for the same parameters as the initial confirmation samples. I would also like a map showing the location of all the samples collected for the response. Please contact me if you have any questions.

John Sager
Emergency Response Coordinator / Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhinelander, WI 54501
(☎) **phone:** (715) 365-8959
(☎) **fax:** (715) 365-8932
(✉) **e-mail:** john.sager@wi.gov



Golder Associates Duluth, MN	SCALE No Scale	TITLE	
	DATE 1/18/2012	MERC EMERGENCY RESPONSE SITE MAP	
	DESIGN JTP		
	CADD JAP		
FILE No. Figure 2	CHECK JTP		
PROJECT No. 113-81049 REV. 0	REVIEW JTP	Edwards Oil Company Superior, WI	FIGURE No. 2

Drawing file: 113-81049 Figure1.dwg Jan 19, 2012 - 9:41am

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

April 10, 2012

Joe Palo
Golder Associates, Inc.
321 Main Street
Biwabik, MN 55708

RE: Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Dear Joe Palo:
Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lori Castille

lori.castille@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10187097001	SS-2	Solid	03/27/12 14:40	03/28/12 10:05
10187097002	SS-3	Solid	03/27/12 14:50	03/28/12 10:05

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SAMPLE ANALYTE COUNT

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10187097001	**SS-2**	WI MOD DRO	MT	2
		% Moisture	JDL	1
		EPA 8270 by SIM	JRH	18
		EPA 8260	CNC	71
10187097002	**SS-3**	WI MOD DRO	MT	2
		% Moisture	JDL	1
		EPA 8270 by SIM	JRH	18
		EPA 8260	CNC	71

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ANALYTICAL RESULTS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Sample: SS-2 **Lab ID: 10187097001** Collected: 03/27/12 14:40 Received: 03/28/12 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	ND	mg/kg	10.9	1	04/02/12 12:39	04/04/12 19:51		T6
Surrogates								
n-Triacontane (S)	83	%	50-150	1	04/02/12 12:39	04/04/12 19:51		D5
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**8.1**	%	0.10	1		03/30/12 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	83-32-9	
Acenaphthylene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	208-96-8	
Anthracene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	207-08-9	
Chrysene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	53-70-3	
Fluoranthene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	206-44-0	
Fluorene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	193-39-5	
Naphthalene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	91-20-3	
Phenanthrene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	85-01-8	
Pyrene	ND	ug/kg	10.8	1	03/30/12 07:49	04/01/12 20:34	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55	%	30-125	1	03/30/12 07:49	04/01/12 20:34	321-60-8	
Terphenyl-d14 (S)	59	%	30-146	1	03/30/12 07:49	04/01/12 20:34	1718-51-0	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	ND	ug/kg	974	1	03/30/12 13:35	03/31/12 21:46	67-64-1	
Allyl chloride	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	107-05-1	
Benzene	ND	ug/kg	15.6	1	03/30/12 13:35	03/31/12 21:46	71-43-2	
Bromobenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	108-86-1	
Bromochloromethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	74-97-5	
Bromodichloromethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	75-27-4	
Bromoform	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	75-25-2	
Bromomethane	ND	ug/kg	389	1	03/30/12 13:35	03/31/12 21:46	74-83-9	
2-Butanone (MEK)	ND	ug/kg	389	1	03/30/12 13:35	03/31/12 21:46	78-93-3	
n-Butylbenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	104-51-8	
sec-Butylbenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	135-98-8	
tert-Butylbenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	98-06-6	
Carbon tetrachloride	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	56-23-5	
Chlorobenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	108-90-7	
Chloroethane	ND	ug/kg	389	1	03/30/12 13:35	03/31/12 21:46	75-00-3	
Chloroform	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	67-66-3	
Chloromethane	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	74-87-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Sample: SS-2 **Lab ID: 10187097001** Collected: 03/27/12 14:40 Received: 03/28/12 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	95-49-8	
4-Chlorotoluene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	96-12-8	
Dibromochloromethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	106-93-4	
Dibromomethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	75-71-8	
1,1-Dichloroethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	75-34-3	
1,2-Dichloroethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	107-06-2	
1,1-Dichloroethene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	156-60-5	
Dichlorofluoromethane	ND	ug/kg	389	1	03/30/12 13:35	03/31/12 21:46	75-43-4	
1,2-Dichloropropane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	78-87-5	
1,3-Dichloropropane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	142-28-9	
2,2-Dichloropropane	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	594-20-7	
1,1-Dichloropropene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	60-29-7	
Ethylbenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	195	1	03/30/12 13:35	03/31/12 21:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	99-87-6	
Methylene Chloride	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	389	1	03/30/12 13:35	03/31/12 21:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	1634-04-4	
Naphthalene	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	91-20-3	
n-Propylbenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	103-65-1	
Styrene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	79-34-5	
Tetrachloroethene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	127-18-4	
Tetrahydrofuran	ND	ug/kg	1560	1	03/30/12 13:35	03/31/12 21:46	109-99-9	
Toluene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	79-00-5	
Trichloroethene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	156	1	03/30/12 13:35	03/31/12 21:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	76-13-1	

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ANALYTICAL RESULTS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Sample: SS-2 **Lab ID: 10187097001** Collected: 03/27/12 14:40 Received: 03/28/12 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2,4-Trimethylbenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	38.9	1	03/30/12 13:35	03/31/12 21:46	108-67-8	
Vinyl chloride	ND	ug/kg	15.6	1	03/30/12 13:35	03/31/12 21:46	75-01-4	
Xylene (Total)	ND	ug/kg	117	1	03/30/12 13:35	03/31/12 21:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	86	%	55-127	1	03/30/12 13:35	03/31/12 21:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	83	%	49-125	1	03/30/12 13:35	03/31/12 21:46	17060-07-0	
Toluene-d8 (S)	86	%	56-131	1	03/30/12 13:35	03/31/12 21:46	2037-26-5	
4-Bromofluorobenzene (S)	83	%	53-128	1	03/30/12 13:35	03/31/12 21:46	460-00-4	

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ANALYTICAL RESULTS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Sample: SS-3 **Lab ID: 10187097002** Collected: 03/27/12 14:50 Received: 03/28/12 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	ND	mg/kg	11.0	1	04/02/12 12:39	04/04/12 19:44		T6
Surrogates								
n-Triacontane (S)	71	%	50-150	1	04/02/12 12:39	04/04/12 19:44		D5
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**9.3**	%	0.10	1		03/30/12 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	83-32-9	
Acenaphthylene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	208-96-8	
Anthracene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	207-08-9	
Chrysene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	53-70-3	
Fluoranthene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	206-44-0	
Fluorene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	193-39-5	
Naphthalene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	91-20-3	
Phenanthrene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	85-01-8	
Pyrene	ND	ug/kg	10.9	1	03/30/12 07:49	04/01/12 20:55	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	58	%	30-125	1	03/30/12 07:49	04/01/12 20:55	321-60-8	
Terphenyl-d14 (S)	70	%	30-146	1	03/30/12 07:49	04/01/12 20:55	1718-51-0	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	ND	ug/kg	1110	1	03/30/12 13:35	03/31/12 22:04	67-64-1	
Allyl chloride	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	107-05-1	
Benzene	ND	ug/kg	17.8	1	03/30/12 13:35	03/31/12 22:04	71-43-2	
Bromobenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	108-86-1	
Bromochloromethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	74-97-5	
Bromodichloromethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	75-27-4	
Bromoform	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	75-25-2	
Bromomethane	ND	ug/kg	444	1	03/30/12 13:35	03/31/12 22:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	444	1	03/30/12 13:35	03/31/12 22:04	78-93-3	
n-Butylbenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	56-23-5	
Chlorobenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	108-90-7	
Chloroethane	ND	ug/kg	444	1	03/30/12 13:35	03/31/12 22:04	75-00-3	
Chloroform	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	67-66-3	
Chloromethane	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	74-87-3	

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ANALYTICAL RESULTS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Sample: SS-3 **Lab ID: 10187097002** Collected: 03/27/12 14:50 Received: 03/28/12 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
2-Chlorotoluene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	96-12-8	
Dibromochloromethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	106-93-4	
Dibromomethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	156-60-5	
Dichlorofluoromethane	ND	ug/kg	444	1	03/30/12 13:35	03/31/12 22:04	75-43-4	
1,2-Dichloropropane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	60-29-7	
Ethylbenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	222	1	03/30/12 13:35	03/31/12 22:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	99-87-6	
Methylene Chloride	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	444	1	03/30/12 13:35	03/31/12 22:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	1634-04-4	
Naphthalene	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	91-20-3	
n-Propylbenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	103-65-1	
Styrene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	79-34-5	
Tetrachloroethene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	127-18-4	
Tetrahydrofuran	ND	ug/kg	1780	1	03/30/12 13:35	03/31/12 22:04	109-99-9	
Toluene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	79-00-5	
Trichloroethene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	178	1	03/30/12 13:35	03/31/12 22:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	76-13-1	

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ANALYTICAL RESULTS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Sample: SS-3 **Lab ID: 10187097002** Collected: 03/27/12 14:50 Received: 03/28/12 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2,4-Trimethylbenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	44.4	1	03/30/12 13:35	03/31/12 22:04	108-67-8	
Vinyl chloride	ND	ug/kg	17.8	1	03/30/12 13:35	03/31/12 22:04	75-01-4	
Xylene (Total)	ND	ug/kg	133	1	03/30/12 13:35	03/31/12 22:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	81	%	55-127	1	03/30/12 13:35	03/31/12 22:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	78	%	49-125	1	03/30/12 13:35	03/31/12 22:04	17060-07-0	
Toluene-d8 (S)	80	%	56-131	1	03/30/12 13:35	03/31/12 22:04	2037-26-5	
4-Bromofluorobenzene (S)	78	%	53-128	1	03/30/12 13:35	03/31/12 22:04	460-00-4	

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

QC Batch: MPRP/31567
QC Batch Method: % Moisture
Analysis Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10187097001, 10187097002

SAMPLE DUPLICATE: 1164525

Parameter	Units	10187059006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.9	8.1	2	30	

SAMPLE DUPLICATE: 1164526

Parameter	Units	10187101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.6	2.5	4	30	

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

QC Batch: MSV/19656
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10187097001, 10187097002

METHOD BLANK: 1164809
Matrix: Solid
Associated Lab Samples: 10187097001, 10187097002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	50.0	03/31/12 14:06	
1,1,1-Trichloroethane	ug/kg	ND	50.0	03/31/12 14:06	
1,1,2,2-Tetrachloroethane	ug/kg	ND	50.0	03/31/12 14:06	
1,1,2-Trichloroethane	ug/kg	ND	50.0	03/31/12 14:06	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	50.0	03/31/12 14:06	
1,1-Dichloroethane	ug/kg	ND	50.0	03/31/12 14:06	
1,1-Dichloroethene	ug/kg	ND	50.0	03/31/12 14:06	
1,1-Dichloropropene	ug/kg	ND	50.0	03/31/12 14:06	
1,2,3-Trichlorobenzene	ug/kg	ND	50.0	03/31/12 14:06	
1,2,3-Trichloropropane	ug/kg	ND	200	03/31/12 14:06	
1,2,4-Trichlorobenzene	ug/kg	ND	50.0	03/31/12 14:06	
1,2,4-Trimethylbenzene	ug/kg	ND	50.0	03/31/12 14:06	
1,2-Dibromo-3-chloropropane	ug/kg	ND	200	03/31/12 14:06	
1,2-Dibromoethane (EDB)	ug/kg	ND	50.0	03/31/12 14:06	
1,2-Dichlorobenzene	ug/kg	ND	50.0	03/31/12 14:06	
1,2-Dichloroethane	ug/kg	ND	50.0	03/31/12 14:06	
1,2-Dichloropropane	ug/kg	ND	50.0	03/31/12 14:06	
1,3,5-Trimethylbenzene	ug/kg	ND	50.0	03/31/12 14:06	
1,3-Dichlorobenzene	ug/kg	ND	50.0	03/31/12 14:06	
1,3-Dichloropropane	ug/kg	ND	50.0	03/31/12 14:06	
1,4-Dichlorobenzene	ug/kg	ND	50.0	03/31/12 14:06	
2,2-Dichloropropane	ug/kg	ND	200	03/31/12 14:06	
2-Butanone (MEK)	ug/kg	ND	500	03/31/12 14:06	
2-Chlorotoluene	ug/kg	ND	50.0	03/31/12 14:06	
4-Chlorotoluene	ug/kg	ND	50.0	03/31/12 14:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	500	03/31/12 14:06	
Acetone	ug/kg	ND	1250	03/31/12 14:06	
Allyl chloride	ug/kg	ND	200	03/31/12 14:06	
Benzene	ug/kg	ND	20.0	03/31/12 14:06	
Bromobenzene	ug/kg	ND	50.0	03/31/12 14:06	
Bromochloromethane	ug/kg	ND	50.0	03/31/12 14:06	
Bromodichloromethane	ug/kg	ND	50.0	03/31/12 14:06	
Bromoform	ug/kg	ND	200	03/31/12 14:06	
Bromomethane	ug/kg	ND	500	03/31/12 14:06	
Carbon tetrachloride	ug/kg	ND	50.0	03/31/12 14:06	
Chlorobenzene	ug/kg	ND	50.0	03/31/12 14:06	
Chloroethane	ug/kg	ND	500	03/31/12 14:06	
Chloroform	ug/kg	ND	50.0	03/31/12 14:06	
Chloromethane	ug/kg	ND	200	03/31/12 14:06	
cis-1,2-Dichloroethene	ug/kg	ND	50.0	03/31/12 14:06	
cis-1,3-Dichloropropene	ug/kg	ND	50.0	03/31/12 14:06	
Dibromochloromethane	ug/kg	ND	50.0	03/31/12 14:06	
Dibromomethane	ug/kg	ND	50.0	03/31/12 14:06	

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

METHOD BLANK: 1164809 Matrix: Solid

Associated Lab Samples: 10187097001, 10187097002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	ND	50.0	03/31/12 14:06	
Dichlorofluoromethane	ug/kg	ND	500	03/31/12 14:06	
Diethyl ether (Ethyl ether)	ug/kg	ND	200	03/31/12 14:06	
Ethylbenzene	ug/kg	ND	50.0	03/31/12 14:06	
Hexachloro-1,3-butadiene	ug/kg	ND	250	03/31/12 14:06	
Isopropylbenzene (Cumene)	ug/kg	ND	50.0	03/31/12 14:06	
Methyl-tert-butyl ether	ug/kg	ND	50.0	03/31/12 14:06	
Methylene Chloride	ug/kg	ND	200	03/31/12 14:06	
n-Butylbenzene	ug/kg	ND	50.0	03/31/12 14:06	
n-Propylbenzene	ug/kg	ND	50.0	03/31/12 14:06	
Naphthalene	ug/kg	ND	200	03/31/12 14:06	
p-Isopropyltoluene	ug/kg	ND	50.0	03/31/12 14:06	
sec-Butylbenzene	ug/kg	ND	50.0	03/31/12 14:06	
Styrene	ug/kg	ND	50.0	03/31/12 14:06	
tert-Butylbenzene	ug/kg	ND	50.0	03/31/12 14:06	
Tetrachloroethene	ug/kg	ND	50.0	03/31/12 14:06	
Tetrahydrofuran	ug/kg	ND	2000	03/31/12 14:06	
Toluene	ug/kg	ND	50.0	03/31/12 14:06	
trans-1,2-Dichloroethene	ug/kg	ND	50.0	03/31/12 14:06	
trans-1,3-Dichloropropene	ug/kg	ND	50.0	03/31/12 14:06	
Trichloroethene	ug/kg	ND	50.0	03/31/12 14:06	
Trichlorofluoromethane	ug/kg	ND	200	03/31/12 14:06	
Vinyl chloride	ug/kg	ND	20.0	03/31/12 14:06	
Xylene (Total)	ug/kg	ND	150	03/31/12 14:06	
1,2-Dichloroethane-d4 (S)	%	83	49-125	03/31/12 14:06	
4-Bromofluorobenzene (S)	%	82	53-128	03/31/12 14:06	
Dibromofluoromethane (S)	%	86	55-127	03/31/12 14:06	
Toluene-d8 (S)	%	85	56-131	03/31/12 14:06	

LABORATORY CONTROL SAMPLE & LCSD: 1164810 1164811

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	875	874	88	87	72-125	.1	20	
1,1,1-Trichloroethane	ug/kg	1000	838	866	84	87	68-134	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	884	851	88	85	74-125	4	20	
1,1,2-Trichloroethane	ug/kg	1000	855	856	85	86	75-125	.2	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	756	790	76	79	64-133	4	20	
1,1-Dichloroethane	ug/kg	1000	843	847	84	85	74-125	.5	20	
1,1-Dichloroethene	ug/kg	1000	782	795	78	79	64-133	2	20	
1,1-Dichloropropene	ug/kg	1000	836	854	84	85	70-134	2	20	
1,2,3-Trichlorobenzene	ug/kg	1000	1040	930	104	93	70-125	11	20	
1,2,3-Trichloropropane	ug/kg	1000	874	856	87	86	71-125	2	20	
1,2,4-Trichlorobenzene	ug/kg	1000	1000	947	100	95	69-125	6	20	
1,2,4-Trimethylbenzene	ug/kg	1000	884	887	88	89	75-129	.3	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	893	882	89	88	62-127	1	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

LABORATORY CONTROL SAMPLE & LCSD: 1164810 1164811

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	1000	877	885	88	89	73-125	1	20	
1,2-Dichlorobenzene	ug/kg	1000	899	911	90	91	75-125	1	20	
1,2-Dichloroethane	ug/kg	1000	846	867	85	87	70-131	3	20	
1,2-Dichloropropane	ug/kg	1000	875	880	88	88	75-125	.6	20	
1,3,5-Trimethylbenzene	ug/kg	1000	881	887	88	89	74-130	.6	20	
1,3-Dichlorobenzene	ug/kg	1000	894	907	89	91	75-125	1	20	
1,3-Dichloropropane	ug/kg	1000	880	860	88	86	75-125	2	20	
1,4-Dichlorobenzene	ug/kg	1000	884	899	88	90	75-125	2	20	
2,2-Dichloropropane	ug/kg	1000	914	908	91	91	46-144	.7	20	
2-Butanone (MEK)	ug/kg	1000	817	808	82	81	41-150	1	20	
2-Chlorotoluene	ug/kg	1000	874	894	87	89	75-127	2	20	
4-Chlorotoluene	ug/kg	1000	870	879	87	88	75-127	1	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	830	826	83	83	67-127	.5	20	
Acetone	ug/kg	2500	2260	2160	90	86	30-150	4	20	
Allyl chloride	ug/kg	1000	870	869	87	87	68-139	.1	20	
Benzene	ug/kg	1000	864	868	86	87	74-126	.5	20	
Bromobenzene	ug/kg	1000	903	897	90	90	75-125	.7	20	
Bromochloromethane	ug/kg	1000	852	858	85	86	75-128	.8	20	
Bromodichloromethane	ug/kg	1000	850	852	85	85	69-130	.3	20	
Bromoform	ug/kg	1000	800	765	80	76	64-124	5	20	
Bromomethane	ug/kg	1000	895	918	90	92	54-139	3	20	
Carbon tetrachloride	ug/kg	1000	823	842	82	84	64-139	2	20	
Chlorobenzene	ug/kg	1000	867	881	87	88	75-125	2	20	
Chloroethane	ug/kg	1000	892	919	89	92	45-146	3	20	
Chloroform	ug/kg	1000	838	863	84	86	73-129	3	20	
Chloromethane	ug/kg	1000	806	825	81	82	55-125	2	20	
cis-1,2-Dichloroethene	ug/kg	1000	860	864	86	86	75-126	.5	20	
cis-1,3-Dichloropropene	ug/kg	1000	872	879	87	88	70-130	.8	20	
Dibromochloromethane	ug/kg	1000	843	837	84	84	69-125	.7	20	
Dibromomethane	ug/kg	1000	838	863	84	86	73-125	3	20	
Dichlorodifluoromethane	ug/kg	1000	666	676	67	68	30-137	2	20	
Dichlorofluoromethane	ug/kg	1000	831	878	83	88	30-150	6	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	846	821	85	82	68-131	3	20	
Ethylbenzene	ug/kg	1000	866	871	87	87	74-127	.5	20	
Hexachloro-1,3-butadiene	ug/kg	500	536	497	107	99	59-130	7	20	
Isopropylbenzene (Cumene)	ug/kg	1000	860	873	86	87	72-131	1	20	
Methyl-tert-butyl ether	ug/kg	1000	810	807	81	81	65-132	.3	20	
Methylene Chloride	ug/kg	1000	837	860	84	86	30-150	3	20	
n-Butylbenzene	ug/kg	1000	911	919	91	92	66-134	.9	20	
n-Propylbenzene	ug/kg	1000	879	895	88	90	74-131	2	20	
Naphthalene	ug/kg	1000	1030	915	103	92	66-130	12	20	
p-Isopropyltoluene	ug/kg	1000	877	883	88	88	65-134	.7	20	
sec-Butylbenzene	ug/kg	1000	877	891	88	89	69-133	2	20	
Styrene	ug/kg	1000	877	871	88	87	75-125	.6	20	
tert-Butylbenzene	ug/kg	1000	873	878	87	88	72-129	.5	20	
Tetrachloroethene	ug/kg	1000	852	859	85	86	68-131	.8	20	
Tetrahydrofuran	ug/kg	10000	8120	8290	81	83	67-131	2	20	
Toluene	ug/kg	1000	848	850	85	85	75-125	.2	20	

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

LABORATORY CONTROL SAMPLE & LCSD: 1164810 1164811

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	ug/kg	1000	832	840	83	84	74-129	.9	20	
trans-1,3-Dichloropropene	ug/kg	1000	893	873	89	87	72-128	2	20	
Trichloroethene	ug/kg	1000	846	866	85	87	72-125	2	20	
Trichlorofluoromethane	ug/kg	1000	832	829	83	83	41-150	.3	20	
Vinyl chloride	ug/kg	1000	801	818	80	82	54-128	2	20	
Xylene (Total)	ug/kg	3000	2610	2590	87	86	75-125	.6	20	
1,2-Dichloroethane-d4 (S)	%				73	81	49-125			
4-Bromofluorobenzene (S)	%				72	80	53-128			
Dibromofluoromethane (S)	%				74	82	55-127			
Toluene-d8 (S)	%				73	81	56-131			

MATRIX SPIKE SAMPLE: 1164812

Parameter	Units	10187213001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	1160	1140	98	66-135	
1,1,1-Trichloroethane	ug/kg	ND	1160	1140	98	65-150	
1,1,2,2-Tetrachloroethane	ug/kg	ND	1160	1080	93	61-140	
1,1,2-Trichloroethane	ug/kg	ND	1160	1100	94	69-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	1160	1240	107	50-150	
1,1-Dichloroethane	ug/kg	ND	1160	1100	95	64-143	
1,1-Dichloroethene	ug/kg	ND	1160	1110	95	59-150	
1,1-Dichloropropene	ug/kg	ND	1160	1170	101	63-150	
1,2,3-Trichlorobenzene	ug/kg	ND	1160	1210	104	67-137	
1,2,3-Trichloropropane	ug/kg	ND	1160	1090	93	64-135	
1,2,4-Trichlorobenzene	ug/kg	ND	1160	1210	104	68-134	
1,2,4-Trimethylbenzene	ug/kg	ND	1160	1150	98	68-134	
1,2-Dibromo-3-chloropropane	ug/kg	ND	1160	1070	92	62-133	
1,2-Dibromoethane (EDB)	ug/kg	ND	1160	1090	93	65-136	
1,2-Dichlorobenzene	ug/kg	ND	1160	1150	98	66-138	
1,2-Dichloroethane	ug/kg	ND	1160	1070	92	59-141	
1,2-Dichloropropane	ug/kg	ND	1160	1110	95	64-141	
1,3,5-Trimethylbenzene	ug/kg	ND	1160	1160	100	65-147	
1,3-Dichlorobenzene	ug/kg	ND	1160	1150	99	67-138	
1,3-Dichloropropane	ug/kg	ND	1160	1110	95	64-138	
1,4-Dichlorobenzene	ug/kg	ND	1160	1140	98	66-136	
2,2-Dichloropropane	ug/kg	ND	1160	1210	104	39-150	
2-Butanone (MEK)	ug/kg	ND	1160	1010	86	39-150	
2-Chlorotoluene	ug/kg	ND	1160	1150	99	70-141	
4-Chlorotoluene	ug/kg	ND	1160	1140	98	70-139	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1160	1060	91	63-139	
Acetone	ug/kg	ND	2910	2760	95	30-150	
Allyl chloride	ug/kg	ND	1160	1110	95	60-150	
Benzene	ug/kg	ND	1160	1130	97	62-144	
Bromobenzene	ug/kg	ND	1160	1140	98	67-140	
Bromochloromethane	ug/kg	ND	1160	1090	93	69-139	
Bromodichloromethane	ug/kg	ND	1160	1090	93	64-138	
Bromoform	ug/kg	ND	1160	982	84	60-134	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

MATRIX SPIKE SAMPLE: 1164812

Parameter	Units	10187213001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	ND	1160	1130	97	52-150	
Carbon tetrachloride	ug/kg	ND	1160	1170	101	67-150	
Chlorobenzene	ug/kg	ND	1160	1120	96	65-139	
Chloroethane	ug/kg	ND	1160	1170	100	35-150	
Chloroform	ug/kg	ND	1160	1110	95	61-143	
Chloromethane	ug/kg	ND	1160	1010	87	44-136	
cis-1,2-Dichloroethene	ug/kg	ND	1160	1100	94	68-140	
cis-1,3-Dichloropropene	ug/kg	ND	1160	1100	95	60-143	
Dibromochloromethane	ug/kg	ND	1160	1060	91	64-134	
Dibromomethane	ug/kg	ND	1160	1080	93	65-135	
Dichlorodifluoromethane	ug/kg	ND	1160	988	85	30-150	
Dichlorofluoromethane	ug/kg	ND	1160	1110	95	30-150	
Diethyl ether (Ethyl ether)	ug/kg	ND	1160	1070	92	58-146	
Ethylbenzene	ug/kg	ND	1160	1150	99	65-146	
Hexachloro-1,3-butadiene	ug/kg	ND	582	693	119	60-150	
Isopropylbenzene (Cumene)	ug/kg	ND	1160	1170	100	73-143	
Methyl-tert-butyl ether	ug/kg	ND	1160	1040	89	57-145	
Methylene Chloride	ug/kg	ND	1160	1040	89	30-150	
n-Butylbenzene	ug/kg	ND	1160	1230	106	65-150	
n-Propylbenzene	ug/kg	ND	1160	1190	102	69-147	
Naphthalene	ug/kg	ND	1160	1170	100	60-142	
p-Isopropyltoluene	ug/kg	ND	1160	1180	101	65-149	
sec-Butylbenzene	ug/kg	ND	1160	1200	103	72-144	
Styrene	ug/kg	ND	1160	1120	96	69-138	
tert-Butylbenzene	ug/kg	ND	1160	1180	101	68-144	
Tetrachloroethene	ug/kg	ND	1160	1200	103	66-147	
Tetrahydrofuran	ug/kg	ND	11600	9960	86	59-142	
Toluene	ug/kg	ND	1160	1130	97	59-145	
trans-1,2-Dichloroethene	ug/kg	ND	1160	1080	93	63-148	
trans-1,3-Dichloropropene	ug/kg	ND	1160	1110	96	59-144	
Trichloroethene	ug/kg	ND	1160	1150	99	69-141	
Trichlorofluoromethane	ug/kg	ND	1160	1260	108	44-150	
Vinyl chloride	ug/kg	ND	1160	1090	93	51-144	
Xylene (Total)	ug/kg	ND	3490	3400	97	57-143	
1,2-Dichloroethane-d4 (S)	%				84	49-125	
4-Bromofluorobenzene (S)	%				84	53-128	
Dibromofluoromethane (S)	%				87	55-127	
Toluene-d8 (S)	%				88	56-131	

SAMPLE DUPLICATE: 1164813

Parameter	Units	10187213002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

SAMPLE DUPLICATE: 1164813

Parameter	Units	10187213002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Allyl chloride	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Dichlorofluoromethane	ug/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

SAMPLE DUPLICATE: 1164813

Parameter	Units	10187213002 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Tetrahydrofuran	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	80	84	7		
4-Bromofluorobenzene (S)	%	82	87	7		
Dibromofluoromethane (S)	%	83	88	7		
Toluene-d8 (S)	%	85	90	8		

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

QC Batch: OEXT/18189
QC Batch Method: EPA 3550
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Solid PAH by SIM MSSV
Associated Lab Samples: 10187097001, 10187097002

METHOD BLANK: 1164478 Matrix: Solid
Associated Lab Samples: 10187097001, 10187097002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	10.0	04/01/12 12:25	
Acenaphthylene	ug/kg	ND	10.0	04/01/12 12:25	
Anthracene	ug/kg	ND	10.0	04/01/12 12:25	
Benzo(a)anthracene	ug/kg	ND	10.0	04/01/12 12:25	
Benzo(a)pyrene	ug/kg	ND	10.0	04/01/12 12:25	
Benzo(b)fluoranthene	ug/kg	ND	10.0	04/01/12 12:25	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	04/01/12 12:25	
Benzo(k)fluoranthene	ug/kg	ND	10.0	04/01/12 12:25	
Chrysene	ug/kg	ND	10.0	04/01/12 12:25	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	04/01/12 12:25	
Fluoranthene	ug/kg	ND	10.0	04/01/12 12:25	
Fluorene	ug/kg	ND	10.0	04/01/12 12:25	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	04/01/12 12:25	
Naphthalene	ug/kg	ND	10.0	04/01/12 12:25	
Phenanthrene	ug/kg	ND	10.0	04/01/12 12:25	
Pyrene	ug/kg	ND	10.0	04/01/12 12:25	
2-Fluorobiphenyl (S)	%	64	30-125	04/01/12 12:25	
Terphenyl-d14 (S)	%	77	30-146	04/01/12 12:25	

LABORATORY CONTROL SAMPLE: 1164479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	33.3	19.3	58	48-125	
Acenaphthylene	ug/kg	33.3	18.8	56	47-125	
Anthracene	ug/kg	33.3	21.5	65	55-125	
Benzo(a)anthracene	ug/kg	33.3	21.7	65	57-125	
Benzo(a)pyrene	ug/kg	33.3	21.9	66	63-125	
Benzo(b)fluoranthene	ug/kg	33.3	23.6	71	52-125	
Benzo(g,h,i)perylene	ug/kg	33.3	21.3	64	59-125	
Benzo(k)fluoranthene	ug/kg	33.3	22.3	67	60-125	
Chrysene	ug/kg	33.3	23.3	70	62-125	
Dibenz(a,h)anthracene	ug/kg	33.3	20.3	61	60-125	
Fluoranthene	ug/kg	33.3	24.4	73	63-125	
Fluorene	ug/kg	33.3	21.5	65	54-125	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	20.5	61	57-125	
Naphthalene	ug/kg	33.3	18.0	54	46-125	
Phenanthrene	ug/kg	33.3	21.7	65	53-125	
Pyrene	ug/kg	33.3	23.9	72	63-125	
2-Fluorobiphenyl (S)	%			65	30-125	
Terphenyl-d14 (S)	%			80	30-146	

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1164480 1164481

Parameter	Units	10186817001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	ND	42.1	42	26.3	29.0	62	69	30-150	10	30	
Acenaphthylene	ug/kg	ND	42.1	42	26.3	28.9	62	69	30-127	10	30	
Anthracene	ug/kg	ND	42.1	42	31.1	32.1	74	76	30-150	3	30	
Benzo(a)anthracene	ug/kg	ND	42.1	42	32.9	31.1	78	74	30-128	6	30	
Benzo(a)pyrene	ug/kg	ND	42.1	42	35.2	32.5	83	77	30-130	8	30	
Benzo(b)fluoranthene	ug/kg	ND	42.1	42	39.2	35.1	93	83	30-131	11	30	
Benzo(g,h,i)perylene	ug/kg	ND	42.1	42	39.5	33.3	94	79	30-149	17	30	
Benzo(k)fluoranthene	ug/kg	ND	42.1	42	33.9	31.4	80	75	30-149	8	30	
Chrysene	ug/kg	ND	42.1	42	32.4	31.6	77	75	30-150	2	30	
Dibenz(a,h)anthracene	ug/kg	ND	42.1	42	35.6	33.1	84	79	30-150	7	30	
Fluoranthene	ug/kg	ND	42.1	42	37.2	34.0	88	81	30-150	9	30	
Fluorene	ug/kg	ND	42.1	42	29.6	31.7	70	75	40-125	7	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	42.1	42	37.8	32.9	90	78	30-150	14	30	
Naphthalene	ug/kg	ND	42.1	42	23.8	26.3	56	63	32-125	10	30	
Phenanthrene	ug/kg	ND	42.1	42	31.4	30.6	74	73	30-134	2	30	
Pyrene	ug/kg	ND	42.1	42	36.4	33.8	86	80	30-150	8	30	
2-Fluorobiphenyl (S)	%						62	74	30-125			
Terphenyl-d14 (S)	%						76	83	30-146			

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QUALITY CONTROL DATA

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

QC Batch: OEXT/18200 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10187097001, 10187097002

METHOD BLANK: 1165934 Matrix: Solid
Associated Lab Samples: 10187097001, 10187097002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	04/04/12 17:32	
n-Triacontane (S)	%	73	50-150	04/04/12 17:32	

LABORATORY CONTROL SAMPLE & LCSD: 1165935 1165936

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	61.8	67.7	77	85	70-120	9	20	
n-Triacontane (S)	%				82	87	50-150			

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QUALIFIERS

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D5	The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.
T6	High boiling point hydrocarbons are present in the sample.

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 113-81049 EDO-MERC
Pace Project No.: 10187097

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10187097001	SS-2	WI MOD DRO	OEXT/18200	WI MOD DRO	GCSV/9352
10187097002	SS-3	WI MOD DRO	OEXT/18200	WI MOD DRO	GCSV/9352
10187097001	SS-2	% Moisture	MPRP/31567		
10187097002	SS-3	% Moisture	MPRP/31567		
10187097001	SS-2	EPA 3550	OEXT/18189	EPA 8270 by SIM	MSSV/7889
10187097002	SS-3	EPA 3550	OEXT/18189	EPA 8270 by SIM	MSSV/7889
10187097001	SS-2	EPA 5035/5030B	MSV/19656	EPA 8260	MSV/19657
10187097002	SS-3	EPA 5035/5030B	MSV/19656	EPA 8260	MSV/19657

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10187097

1147

Page: 1 of 1

1504404

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Golder	Report To: Joe Palo	Attention:
Address: 4388 Haines Rd. Duluth MN 55811	Copy To: (Same)	Company Name:
Email To: jpalo@golder.com	Purchase Order No.: 113-81049	Address:
Phone: (218) 724-6088 Fax:	Project Name: EDO - MERC	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 113-81049	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: Superior WI

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	DRO	VOC	PAH	Moisture	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SS-2	SL	G	3-27	1440				4	X						X			1	1	1	1			001
2																									
3	SS-3	SL	G	3-27	1450				4	X						X			1	1	1	1			002
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		3/27/12	3:26		3/27/12	1526				
		3/27/12	1530	SAT/Pace	3/28/12	1005	4.2	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Palo

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3-27-12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Revised Date: 15Feb2012 Page 1 of 1
	Document Number: F-MN-L-213-rev.02	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Golder Project # 10187097

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7933 8617 7872

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ☑ No ☐

Thermometer Used 80344042 or 80512447 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.2 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/28/12 SH

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4, HCL<2; NaOH >12)	☐Yes ☐No ☑N/A	Samp #
Exceptions: VOA,Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes ☑No	Initial when completed / Lot # of added preservative
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 3/29/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)