

**APPENDIX C - LABORATORY ANALYTICAL REPORT AND
CHAIN OF CUSTODY RECORD**



12065 Lebanon Rd.
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Tax I.D. 62-0814289

Est. 1970

Jim Inman
PSI - Cleveland, OH
5555 Canal Road

Cleveland, OH 44125

Report Summary

Monday January 04, 2010

Report Number: L438092

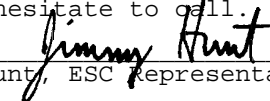
Samples Received: 12/23/09

Client Project: 0142257

Description: Coast Guard

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jimmy Hunt, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

January 04, 2010

Jim Inman
PSI - Cleveland, OH
5555 Canal Road
Cleveland, OH 44125

Date Received : December 23, 2009
Description : Coast Guard
Sample ID : B-1 23.5-25 FT
Collected By : Shelly Sterk
Collection Date : 12/17/09 00:00

ESC Sample # : L438092-01
Site ID :
Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.8		%	2540G	12/29/09	1
Mercury	0.38	0.024	mg/kg	7471	12/24/09	1
Arsenic	6.3	1.2	mg/kg	6010B	12/30/09	1
Barium	40.	0.30	mg/kg	6010B	12/30/09	1
Cadmium	0.45	0.30	mg/kg	6010B	12/30/09	1
Chromium	10.	0.61	mg/kg	6010B	12/30/09	1
Lead	74.	0.30	mg/kg	6010B	12/30/09	1
Selenium	15.	1.2	mg/kg	6010B	12/30/09	1
Silver	BDL	0.61	mg/kg	6010B	12/30/09	1
TPH C6 - C12	BDL	0.12	mg/kg	8015	12/29/09	1
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	93.5		% Rec.	8015	12/29/09	1
Volatile Organics						
Acetone	BDL	0.30	mg/kg	8260B	12/31/09	5
Acrylonitrile	BDL	0.061	mg/kg	8260B	12/31/09	5
Benzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
Bromobenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
Bromodichloromethane	BDL	0.0061	mg/kg	8260B	12/31/09	5
Bromoform	BDL	0.0061	mg/kg	8260B	12/31/09	5
Bromomethane	BDL	0.030	mg/kg	8260B	12/31/09	5
n-Butylbenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
sec-Butylbenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
tert-Butylbenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
Carbon tetrachloride	BDL	0.0061	mg/kg	8260B	12/31/09	5
Chlorobenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
Chlorodibromomethane	BDL	0.0061	mg/kg	8260B	12/31/09	5
Chloroethane	BDL	0.030	mg/kg	8260B	12/31/09	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	12/31/09	5
Chloroform	BDL	0.030	mg/kg	8260B	12/31/09	5
Chloromethane	BDL	0.0061	mg/kg	8260B	12/31/09	5
2-Chlorotoluene	BDL	0.0061	mg/kg	8260B	12/31/09	5
4-Chlorotoluene	BDL	0.0061	mg/kg	8260B	12/31/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	12/31/09	5
1,2-Dibromoethane	BDL	0.0061	mg/kg	8260B	12/31/09	5
Dibromomethane	BDL	0.0061	mg/kg	8260B	12/31/09	5
1,2-Dichlorobenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
1,3-Dichlorobenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
1,4-Dichlorobenzene	BDL	0.0061	mg/kg	8260B	12/31/09	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	12/31/09	5
1,1-Dichloroethane	BDL	0.0061	mg/kg	8260B	12/31/09	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

January 04, 2010

Jim Inman
PSI - Cleveland, OH
5555 Canal Road
Cleveland, OH 44125

Date Received : December 23, 2009
Description : Coast Guard
Sample ID : B-1 23.5-25 FT
Collected By : Shelly Sterk
Collection Date : 12/17/09 00:00

ESC Sample # : L438092-01
Site ID :
Project # : 0142257

Table with 7 columns: Parameter, Dry Result, Det. Limit, Units, Method, Date, Dil. Lists various chemical compounds and their detection results.

Ohio DRO

Results listed are dry weight basis.

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Date Received : December 23, 2009
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 Sample ID : B-1 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/17/09 00:00

ESC Sample # : L438092-01
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
C10-C20 Hydrocarbons	19.	4.9	mg/kg	8015M	12/30/09	1
C20-C34 Hydrocarbons	19.	4.9	mg/kg	8015M	12/30/09	1
Surrogate Recovery						
o-Terphenyl	115.		% Rec.	8015M	12/30/09	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1221	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1232	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1242	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1248	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1254	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1260	BDL	0.021	mg/kg	8082	12/30/09	1
PCBs Surrogates						
Decachlorobiphenyl	59.9		% Rec.	8082	12/30/09	1
Tetrachloro-m-xylene	48.1		% Rec.	8082	12/30/09	1
Base/Neutral Extractables						
Acenaphthene	0.59	0.040	mg/kg	8270C	12/31/09	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	12/31/09	1
Anthracene	1.3	0.040	mg/kg	8270C	12/31/09	1
Benzidine	BDL	0.40	mg/kg	8270C	12/31/09	1
Benzo(a)anthracene	1.5	0.040	mg/kg	8270C	12/31/09	1
Benzo(b)fluoranthene	1.5	0.040	mg/kg	8270C	12/31/09	1
Benzo(k)fluoranthene	0.46	0.040	mg/kg	8270C	12/31/09	1
Benzo(g,h,i)perylene	0.35	0.040	mg/kg	8270C	12/31/09	1
Benzo(a)pyrene	1.1	0.040	mg/kg	8270C	12/31/09	1
Bis(2-chlorethoxy)methane	BDL	0.40	mg/kg	8270C	12/31/09	1
Bis(2-chloroethyl)ether	BDL	0.40	mg/kg	8270C	12/31/09	1
Bis(2-chloroisopropyl)ether	BDL	0.40	mg/kg	8270C	12/31/09	1
4-Bromophenyl-phenylether	BDL	0.40	mg/kg	8270C	12/31/09	1
2-Chloronaphthalene	BDL	0.040	mg/kg	8270C	12/31/09	1
4-Chlorophenyl-phenylether	BDL	0.40	mg/kg	8270C	12/31/09	1
Chrysene	1.2	0.040	mg/kg	8270C	12/31/09	1
Dibenz(a,h)anthracene	0.11	0.040	mg/kg	8270C	12/31/09	1
3,3-Dichlorobenzidine	BDL	0.40	mg/kg	8270C	12/31/09	1
2,4-Dinitrotoluene	BDL	0.40	mg/kg	8270C	12/31/09	1
2,6-Dinitrotoluene	BDL	0.40	mg/kg	8270C	12/31/09	1
Fluoranthene	3.7	0.040	mg/kg	8270C	12/31/09	1
Fluorene	0.72	0.040	mg/kg	8270C	12/31/09	1
Hexachlorobenzene	BDL	0.40	mg/kg	8270C	12/31/09	1
Hexachloro-1,3-butadiene	BDL	0.40	mg/kg	8270C	12/31/09	1
Hexachlorocyclopentadiene	BDL	0.40	mg/kg	8270C	12/31/09	1
Hexachloroethane	BDL	0.40	mg/kg	8270C	12/31/09	1

Results listed are dry weight basis.
 BDL - Below Detection Limit
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REPORT OF ANALYSIS

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 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-1 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/17/09 00:00

ESC Sample # : L438092-01
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Indeno(1,2,3-cd)pyrene	0.39	0.040	mg/kg	8270C	12/31/09	1
Isophorone	BDL	0.40	mg/kg	8270C	12/31/09	1
Naphthalene	0.48	0.040	mg/kg	8270C	12/31/09	1
Nitrobenzene	BDL	0.40	mg/kg	8270C	12/31/09	1
n-Nitrosodimethylamine	BDL	0.40	mg/kg	8270C	12/31/09	1
n-Nitrosodiphenylamine	BDL	0.40	mg/kg	8270C	12/31/09	1
n-Nitrosodi-n-propylamine	BDL	0.40	mg/kg	8270C	12/31/09	1
Phenanthrene	4.2	0.040	mg/kg	8270C	12/31/09	1
Benzylbutyl phthalate	BDL	0.40	mg/kg	8270C	12/31/09	1
Bis(2-ethylhexyl)phthalate	BDL	0.40	mg/kg	8270C	12/31/09	1
Di-n-butyl phthalate	BDL	0.40	mg/kg	8270C	12/31/09	1
Diethyl phthalate	BDL	0.40	mg/kg	8270C	12/31/09	1
Dimethyl phthalate	BDL	0.40	mg/kg	8270C	12/31/09	1
Di-n-octyl phthalate	BDL	0.40	mg/kg	8270C	12/31/09	1
Pyrene	3.2	0.040	mg/kg	8270C	12/31/09	1
1,2,4-Trichlorobenzene	BDL	0.40	mg/kg	8270C	12/31/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.40	mg/kg	8270C	12/31/09	1
2-Chlorophenol	BDL	0.40	mg/kg	8270C	12/31/09	1
2,4-Dichlorophenol	BDL	0.40	mg/kg	8270C	12/31/09	1
2,4-Dimethylphenol	BDL	0.40	mg/kg	8270C	12/31/09	1
4,6-Dinitro-2-methylphenol	BDL	0.40	mg/kg	8270C	12/31/09	1
2,4-Dinitrophenol	BDL	0.40	mg/kg	8270C	12/31/09	1
2-Nitrophenol	BDL	0.40	mg/kg	8270C	12/31/09	1
4-Nitrophenol	BDL	0.40	mg/kg	8270C	12/31/09	1
Pentachlorophenol	BDL	0.40	mg/kg	8270C	12/31/09	1
Phenol	BDL	0.40	mg/kg	8270C	12/31/09	1
2,4,6-Trichlorophenol	BDL	0.40	mg/kg	8270C	12/31/09	1
Surrogate Recovery						
2-Fluorophenol	68.2		% Rec.	8270C	12/31/09	1
Phenol-d5	73.5		% Rec.	8270C	12/31/09	1
Nitrobenzene-d5	58.5		% Rec.	8270C	12/31/09	1
2-Fluorobiphenyl	65.1		% Rec.	8270C	12/31/09	1
2,4,6-Tribromophenol	66.9		% Rec.	8270C	12/31/09	1
p-Terphenyl-d14	67.2		% Rec.	8270C	12/31/09	1

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Reported: 12/31/09 17:32 Revised: 01/04/10 08:31



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REPORT OF ANALYSIS

January 04, 2010

Jim Inman
PSI - Cleveland, OH
5555 Canal Road
Cleveland, OH 44125

Date Received : December 23, 2009
Description : Coast Guard
Sample ID : B-2 28.5-30 FT
Collected By : Shelly Sterk
Collection Date : 12/18/09 00:00

ESC Sample # : L438092-02
Site ID :
Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.6		%	2540G	12/29/09	1
Mercury	BDL	0.024	mg/kg	7471	12/24/09	1
Arsenic	5.6	1.2	mg/kg	6010B	12/30/09	1
Barium	16.	0.30	mg/kg	6010B	12/30/09	1
Cadmium	BDL	0.30	mg/kg	6010B	12/30/09	1
Chromium	4.5	0.59	mg/kg	6010B	12/30/09	1
Lead	6.7	0.30	mg/kg	6010B	12/30/09	1
Selenium	8.4	1.2	mg/kg	6010B	12/30/09	1
Silver	BDL	0.59	mg/kg	6010B	12/30/09	1
TPH C6 - C12	0.53	0.12	mg/kg	8015	12/29/09	1
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	82.1		% Rec.	8015	12/29/09	1
Volatile Organics						
Acetone	BDL	0.30	mg/kg	8260B	12/31/09	5
Acrylonitrile	BDL	0.059	mg/kg	8260B	12/31/09	5
Benzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Bromobenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Bromodichloromethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
Bromoform	BDL	0.0059	mg/kg	8260B	12/31/09	5
Bromomethane	BDL	0.030	mg/kg	8260B	12/31/09	5
n-Butylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
sec-Butylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
tert-Butylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Carbon tetrachloride	BDL	0.0059	mg/kg	8260B	12/31/09	5
Chlorobenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Chlorodibromomethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
Chloroethane	BDL	0.030	mg/kg	8260B	12/31/09	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	12/31/09	5
Chloroform	BDL	0.030	mg/kg	8260B	12/31/09	5
Chloromethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
2-Chlorotoluene	BDL	0.0059	mg/kg	8260B	12/31/09	5
4-Chlorotoluene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	12/31/09	5
1,2-Dibromoethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
Dibromomethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,2-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,3-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,4-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	12/31/09	5
1,1-Dichloroethane	BDL	0.0059	mg/kg	8260B	12/31/09	5

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5555 Canal Road
Cleveland, OH 44125

Date Received : December 23, 2009
Description : Coast Guard
Sample ID : B-2 28.5-30 FT
Collected By : Shelly Sterk
Collection Date : 12/18/09 00:00

ESC Sample # : L438092-02
Site ID :
Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,1-Dichloroethene	BDL	0.0059	mg/kg	8260B	12/31/09	5
cis-1,2-Dichloroethene	BDL	0.0059	mg/kg	8260B	12/31/09	5
trans-1,2-Dichloroethene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,2-Dichloropropane	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,1-Dichloropropene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,3-Dichloropropane	BDL	0.0059	mg/kg	8260B	12/31/09	5
cis-1,3-Dichloropropene	BDL	0.0059	mg/kg	8260B	12/31/09	5
trans-1,3-Dichloropropene	BDL	0.0059	mg/kg	8260B	12/31/09	5
2,2-Dichloropropane	BDL	0.0059	mg/kg	8260B	12/31/09	5
Di-isopropyl ether	BDL	0.0059	mg/kg	8260B	12/31/09	5
Ethylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Hexachloro-1,3-butadiene	BDL	0.0059	mg/kg	8260B	12/31/09	5
n-Hexane	BDL	0.0059	mg/kg	8260B	12/31/09	5
Isopropylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
p-Isopropyltoluene	BDL	0.0059	mg/kg	8260B	12/31/09	5
2-Butanone (MEK)	BDL	0.0059	mg/kg	8260B	12/31/09	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	12/31/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.0059	mg/kg	8260B	12/31/09	5
Methyl tert-butyl ether	BDL	0.0059	mg/kg	8260B	12/31/09	5
Naphthalene	BDL	0.030	mg/kg	8260B	12/31/09	5
n-Propylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Styrene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
Tetrachloroethene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Toluene	BDL	0.030	mg/kg	8260B	12/31/09	5
1,2,3-Trichlorobenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,2,4-Trichlorobenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,1,1-Trichloroethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,1,2-Trichloroethane	BDL	0.0059	mg/kg	8260B	12/31/09	5
Trichloroethene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	12/31/09	5
1,2,3-Trichloropropane	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,2,4-Trimethylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
1,3,5-Trimethylbenzene	BDL	0.0059	mg/kg	8260B	12/31/09	5
Vinyl chloride	BDL	0.0059	mg/kg	8260B	12/31/09	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	12/31/09	5
Surrogate Recovery						
Toluene-d8	98.7		% Rec.	8260B	12/31/09	5
Dibromofluoromethane	99.6		% Rec.	8260B	12/31/09	5
4-Bromofluorobenzene	102.		% Rec.	8260B	12/31/09	5

Ohio DRO

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-2 28.5-30 FT
 Collected By : Shelly Sterk
 Collection Date : 12/18/09 00:00

ESC Sample # : L438092-02
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
C10-C20 Hydrocarbons	57.	4.7	mg/kg	8015M	12/30/09	1
C20-C34 Hydrocarbons	49.	4.7	mg/kg	8015M	12/30/09	1
Surrogate Recovery						
o-Terphenyl	103.		% Rec.	8015M	12/30/09	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.020	mg/kg	8082	12/30/09	1
PCB 1221	BDL	0.020	mg/kg	8082	12/30/09	1
PCB 1232	BDL	0.020	mg/kg	8082	12/30/09	1
PCB 1242	BDL	0.020	mg/kg	8082	12/30/09	1
PCB 1248	BDL	0.020	mg/kg	8082	12/30/09	1
PCB 1254	BDL	0.020	mg/kg	8082	12/30/09	1
PCB 1260	BDL	0.020	mg/kg	8082	12/30/09	1
PCBs Surrogates						
Decachlorobiphenyl	57.8		% Rec.	8082	12/30/09	1
Tetrachloro-m-xylene	61.7		% Rec.	8082	12/30/09	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270C	12/31/09	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	12/31/09	1
Anthracene	BDL	0.039	mg/kg	8270C	12/31/09	1
Benzidine	BDL	0.39	mg/kg	8270C	12/31/09	1
Benzo(a)anthracene	0.063	0.039	mg/kg	8270C	12/31/09	1
Benzo(b)fluoranthene	0.041	0.039	mg/kg	8270C	12/31/09	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	12/31/09	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	12/31/09	1
Benzo(a)pyrene	0.046	0.039	mg/kg	8270C	12/31/09	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270C	12/31/09	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270C	12/31/09	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270C	12/31/09	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270C	12/31/09	1
2-Chloronaphthalene	BDL	0.039	mg/kg	8270C	12/31/09	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270C	12/31/09	1
Chrysene	0.050	0.039	mg/kg	8270C	12/31/09	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270C	12/31/09	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270C	12/31/09	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270C	12/31/09	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270C	12/31/09	1
Fluoranthene	0.042	0.039	mg/kg	8270C	12/31/09	1
Fluorene	BDL	0.039	mg/kg	8270C	12/31/09	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270C	12/31/09	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270C	12/31/09	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270C	12/31/09	1
Hexachloroethane	BDL	0.39	mg/kg	8270C	12/31/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-2 28.5-30 FT
 Collected By : Shelly Sterk
 Collection Date : 12/18/09 00:00

ESC Sample # : L438092-02
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270C	12/31/09	1
Isophorone	BDL	0.39	mg/kg	8270C	12/31/09	1
Naphthalene	BDL	0.039	mg/kg	8270C	12/31/09	1
Nitrobenzene	BDL	0.39	mg/kg	8270C	12/31/09	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270C	12/31/09	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270C	12/31/09	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270C	12/31/09	1
Phenanthrene	0.045	0.039	mg/kg	8270C	12/31/09	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270C	12/31/09	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270C	12/31/09	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270C	12/31/09	1
Diethyl phthalate	BDL	0.39	mg/kg	8270C	12/31/09	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270C	12/31/09	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270C	12/31/09	1
Pyrene	0.051	0.039	mg/kg	8270C	12/31/09	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270C	12/31/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270C	12/31/09	1
2-Chlorophenol	BDL	0.39	mg/kg	8270C	12/31/09	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270C	12/31/09	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270C	12/31/09	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270C	12/31/09	1
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270C	12/31/09	1
2-Nitrophenol	BDL	0.39	mg/kg	8270C	12/31/09	1
4-Nitrophenol	BDL	0.39	mg/kg	8270C	12/31/09	1
Pentachlorophenol	BDL	0.39	mg/kg	8270C	12/31/09	1
Phenol	BDL	0.39	mg/kg	8270C	12/31/09	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270C	12/31/09	1
Surrogate Recovery						
2-Fluorophenol	63.7		% Rec.	8270C	12/31/09	1
Phenol-d5	72.0		% Rec.	8270C	12/31/09	1
Nitrobenzene-d5	68.8		% Rec.	8270C	12/31/09	1
2-Fluorobiphenyl	67.5		% Rec.	8270C	12/31/09	1
2,4,6-Tribromophenol	63.8		% Rec.	8270C	12/31/09	1
p-Terphenyl-d14	93.1		% Rec.	8270C	12/31/09	1

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BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 12/31/09 17:32 Revised: 01/04/10 08:31



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Est. 1970

REPORT OF ANALYSIS

January 04, 2010

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-3 33.5-35 FT
 Collected By : Shelly Sterk
 Collection Date : 12/22/09 00:00

ESC Sample # : L438092-03
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.9		%	2540G	12/29/09	1
Mercury	BDL	0.025	mg/kg	7471	12/24/09	1
Arsenic	8.7	1.3	mg/kg	6010B	12/30/09	1
Barium	100	0.32	mg/kg	6010B	12/30/09	1
Cadmium	0.48	0.32	mg/kg	6010B	12/30/09	1
Chromium	25.	0.63	mg/kg	6010B	12/30/09	1
Lead	15.	0.32	mg/kg	6010B	12/30/09	1
Selenium	19.	1.3	mg/kg	6010B	12/30/09	1
Silver	BDL	0.63	mg/kg	6010B	12/30/09	1
TPH C6 - C12	0.14	0.13	mg/kg	8015	12/29/09	1
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	94.7		% Rec.	8015	12/29/09	1
Volatile Organics						
Acetone	BDL	0.32	mg/kg	8260B	12/31/09	5
Acrylonitrile	BDL	0.063	mg/kg	8260B	12/31/09	5
Benzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Bromobenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Bromodichloromethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
Bromoform	BDL	0.0063	mg/kg	8260B	12/31/09	5
Bromomethane	BDL	0.032	mg/kg	8260B	12/31/09	5
n-Butylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
sec-Butylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
tert-Butylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Carbon tetrachloride	BDL	0.0063	mg/kg	8260B	12/31/09	5
Chlorobenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Chlorodibromomethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
Chloroethane	BDL	0.032	mg/kg	8260B	12/31/09	5
2-Chloroethyl vinyl ether	BDL	0.32	mg/kg	8260B	12/31/09	5
Chloroform	BDL	0.032	mg/kg	8260B	12/31/09	5
Chloromethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
2-Chlorotoluene	BDL	0.0063	mg/kg	8260B	12/31/09	5
4-Chlorotoluene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.032	mg/kg	8260B	12/31/09	5
1,2-Dibromoethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
Dibromomethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,2-Dichlorobenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,3-Dichlorobenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,4-Dichlorobenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Dichlorodifluoromethane	BDL	0.032	mg/kg	8260B	12/31/09	5
1,1-Dichloroethane	BDL	0.0063	mg/kg	8260B	12/31/09	5

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 BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-3 33.5-35 FT
 Collected By : Shelly Sterk
 Collection Date : 12/22/09 00:00

ESC Sample # : L438092-03
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,1-Dichloroethene	BDL	0.0063	mg/kg	8260B	12/31/09	5
cis-1,2-Dichloroethene	BDL	0.0063	mg/kg	8260B	12/31/09	5
trans-1,2-Dichloroethene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,2-Dichloropropane	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,1-Dichloropropene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,3-Dichloropropane	BDL	0.0063	mg/kg	8260B	12/31/09	5
cis-1,3-Dichloropropene	BDL	0.0063	mg/kg	8260B	12/31/09	5
trans-1,3-Dichloropropene	BDL	0.0063	mg/kg	8260B	12/31/09	5
2,2-Dichloropropane	BDL	0.0063	mg/kg	8260B	12/31/09	5
Di-isopropyl ether	BDL	0.0063	mg/kg	8260B	12/31/09	5
Ethylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Hexachloro-1,3-butadiene	BDL	0.0063	mg/kg	8260B	12/31/09	5
n-Hexane	BDL	0.063	mg/kg	8260B	12/31/09	5
Isopropylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
p-Isopropyltoluene	BDL	0.0063	mg/kg	8260B	12/31/09	5
2-Butanone (MEK)	BDL	0.063	mg/kg	8260B	12/31/09	5
Methylene Chloride	BDL	0.032	mg/kg	8260B	12/31/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.063	mg/kg	8260B	12/31/09	5
Methyl tert-butyl ether	BDL	0.0063	mg/kg	8260B	12/31/09	5
Naphthalene	BDL	0.032	mg/kg	8260B	12/31/09	5
n-Propylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Styrene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
Tetrachloroethene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Toluene	BDL	0.032	mg/kg	8260B	12/31/09	5
1,2,3-Trichlorobenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,2,4-Trichlorobenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,1,1-Trichloroethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,1,2-Trichloroethane	BDL	0.0063	mg/kg	8260B	12/31/09	5
Trichloroethene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Trichlorofluoromethane	BDL	0.032	mg/kg	8260B	12/31/09	5
1,2,3-Trichloropropane	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,2,4-Trimethylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
1,3,5-Trimethylbenzene	BDL	0.0063	mg/kg	8260B	12/31/09	5
Vinyl chloride	BDL	0.0063	mg/kg	8260B	12/31/09	5
Xylenes, Total	BDL	0.019	mg/kg	8260B	12/31/09	5
Surrogate Recovery						
Toluene-d8	99.0		% Rec.	8260B	12/31/09	5
Dibromofluoromethane	99.2		% Rec.	8260B	12/31/09	5
4-Bromofluorobenzene	105.		% Rec.	8260B	12/31/09	5

Ohio DRO

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-3 33.5-35 FT
 Collected By : Shelly Sterk
 Collection Date : 12/22/09 00:00

ESC Sample # : L438092-03
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
C10-C20 Hydrocarbons	BDL	5.1	mg/kg	8015M	12/30/09	1
C20-C34 Hydrocarbons	BDL	5.1	mg/kg	8015M	12/30/09	1
Surrogate Recovery						
o-Terphenyl	118.		% Rec.	8015M	12/30/09	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.022	mg/kg	8082	12/30/09	1
PCB 1221	BDL	0.022	mg/kg	8082	12/30/09	1
PCB 1232	BDL	0.022	mg/kg	8082	12/30/09	1
PCB 1242	BDL	0.022	mg/kg	8082	12/30/09	1
PCB 1248	BDL	0.022	mg/kg	8082	12/30/09	1
PCB 1254	BDL	0.022	mg/kg	8082	12/30/09	1
PCB 1260	BDL	0.022	mg/kg	8082	12/30/09	1
PCBs Surrogates						
Decachlorobiphenyl	45.2		% Rec.	8082	12/30/09	1
Tetrachloro-m-xylene	57.2		% Rec.	8082	12/30/09	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.042	mg/kg	8270C	12/30/09	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	12/30/09	1
Anthracene	BDL	0.042	mg/kg	8270C	12/30/09	1
Benzidine	BDL	0.42	mg/kg	8270C	12/30/09	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	12/30/09	1
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	12/30/09	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	12/30/09	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	12/30/09	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	12/30/09	1
Bis(2-chlorethoxy)methane	BDL	0.42	mg/kg	8270C	12/30/09	1
Bis(2-chloroethyl)ether	BDL	0.42	mg/kg	8270C	12/30/09	1
Bis(2-chloroisopropyl)ether	BDL	0.42	mg/kg	8270C	12/30/09	1
4-Bromophenyl-phenylether	BDL	0.42	mg/kg	8270C	12/30/09	1
2-Chloronaphthalene	BDL	0.042	mg/kg	8270C	12/30/09	1
4-Chlorophenyl-phenylether	BDL	0.42	mg/kg	8270C	12/30/09	1
Chrysene	BDL	0.042	mg/kg	8270C	12/30/09	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	12/30/09	1
3,3-Dichlorobenzidine	BDL	0.42	mg/kg	8270C	12/30/09	1
2,4-Dinitrotoluene	BDL	0.42	mg/kg	8270C	12/30/09	1
2,6-Dinitrotoluene	BDL	0.42	mg/kg	8270C	12/30/09	1
Fluoranthene	BDL	0.042	mg/kg	8270C	12/30/09	1
Fluorene	BDL	0.042	mg/kg	8270C	12/30/09	1
Hexachlorobenzene	BDL	0.42	mg/kg	8270C	12/30/09	1
Hexachloro-1,3-butadiene	BDL	0.42	mg/kg	8270C	12/30/09	1
Hexachlorocyclopentadiene	BDL	0.42	mg/kg	8270C	12/30/09	1
Hexachloroethane	BDL	0.42	mg/kg	8270C	12/30/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-3 33.5-35 FT
 Collected By : Shelly Sterk
 Collection Date : 12/22/09 00:00

ESC Sample # : L438092-03
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	12/30/09	1
Isophorone	BDL	0.42	mg/kg	8270C	12/30/09	1
Naphthalene	BDL	0.042	mg/kg	8270C	12/30/09	1
Nitrobenzene	BDL	0.42	mg/kg	8270C	12/30/09	1
n-Nitrosodimethylamine	BDL	0.42	mg/kg	8270C	12/30/09	1
n-Nitrosodiphenylamine	BDL	0.42	mg/kg	8270C	12/30/09	1
n-Nitrosodi-n-propylamine	BDL	0.42	mg/kg	8270C	12/30/09	1
Phenanthrene	BDL	0.042	mg/kg	8270C	12/30/09	1
Benzylbutyl phthalate	BDL	0.42	mg/kg	8270C	12/30/09	1
Bis(2-ethylhexyl)phthalate	BDL	0.42	mg/kg	8270C	12/30/09	1
Di-n-butyl phthalate	BDL	0.42	mg/kg	8270C	12/30/09	1
Diethyl phthalate	BDL	0.42	mg/kg	8270C	12/30/09	1
Dimethyl phthalate	BDL	0.42	mg/kg	8270C	12/30/09	1
Di-n-octyl phthalate	BDL	0.42	mg/kg	8270C	12/30/09	1
Pyrene	BDL	0.042	mg/kg	8270C	12/30/09	1
1,2,4-Trichlorobenzene	BDL	0.42	mg/kg	8270C	12/30/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.42	mg/kg	8270C	12/30/09	1
2-Chlorophenol	BDL	0.42	mg/kg	8270C	12/30/09	1
2,4-Dichlorophenol	BDL	0.42	mg/kg	8270C	12/30/09	1
2,4-Dimethylphenol	BDL	0.42	mg/kg	8270C	12/30/09	1
4,6-Dinitro-2-methylphenol	BDL	0.42	mg/kg	8270C	12/30/09	1
2,4-Dinitrophenol	BDL	0.42	mg/kg	8270C	12/30/09	1
2-Nitrophenol	BDL	0.42	mg/kg	8270C	12/30/09	1
4-Nitrophenol	BDL	0.42	mg/kg	8270C	12/30/09	1
Pentachlorophenol	BDL	0.42	mg/kg	8270C	12/30/09	1
Phenol	BDL	0.42	mg/kg	8270C	12/30/09	1
2,4,6-Trichlorophenol	BDL	0.42	mg/kg	8270C	12/30/09	1
Surrogate Recovery						
2-Fluorophenol	72.0		% Rec.	8270C	12/30/09	1
Phenol-d5	71.9		% Rec.	8270C	12/30/09	1
Nitrobenzene-d5	72.1		% Rec.	8270C	12/30/09	1
2-Fluorobiphenyl	69.8		% Rec.	8270C	12/30/09	1
2,4,6-Tribromophenol	60.5		% Rec.	8270C	12/30/09	1
p-Terphenyl-d14	78.8		% Rec.	8270C	12/30/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 12/31/09 17:32 Revised: 01/04/10 08:31



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 04, 2010

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-4 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/18/09 00:00

ESC Sample # : L438092-04
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.1		%	2540G	12/29/09	1
Mercury	0.17	0.025	mg/kg	7471	12/24/09	1
Arsenic	9.2	1.2	mg/kg	6010B	12/30/09	1
Barium	54.	0.31	mg/kg	6010B	12/30/09	1
Cadmium	0.43	0.31	mg/kg	6010B	12/30/09	1
Chromium	14.	0.62	mg/kg	6010B	12/30/09	1
Lead	71.	0.31	mg/kg	6010B	12/30/09	1
Selenium	14.	1.2	mg/kg	6010B	12/30/09	1
Silver	BDL	0.62	mg/kg	6010B	12/30/09	1
TPH C6 - C12	BDL	0.12	mg/kg	8015	12/29/09	1
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	94.4		% Rec.	8015	12/29/09	1
Volatile Organics						
Acetone	BDL	0.31	mg/kg	8260B	12/31/09	5
Acrylonitrile	BDL	0.062	mg/kg	8260B	12/31/09	5
Benzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
Bromobenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
Bromodichloromethane	BDL	0.0062	mg/kg	8260B	12/31/09	5
Bromoform	BDL	0.0062	mg/kg	8260B	12/31/09	5
Bromomethane	BDL	0.031	mg/kg	8260B	12/31/09	5
n-Butylbenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
sec-Butylbenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
tert-Butylbenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
Carbon tetrachloride	BDL	0.0062	mg/kg	8260B	12/31/09	5
Chlorobenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
Chlorodibromomethane	BDL	0.0062	mg/kg	8260B	12/31/09	5
Chloroethane	BDL	0.031	mg/kg	8260B	12/31/09	5
2-Chloroethyl vinyl ether	BDL	0.31	mg/kg	8260B	12/31/09	5
Chloroform	BDL	0.031	mg/kg	8260B	12/31/09	5
Chloromethane	BDL	0.0062	mg/kg	8260B	12/31/09	5
2-Chlorotoluene	BDL	0.0062	mg/kg	8260B	12/31/09	5
4-Chlorotoluene	BDL	0.0062	mg/kg	8260B	12/31/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.031	mg/kg	8260B	12/31/09	5
1,2-Dibromoethane	BDL	0.0062	mg/kg	8260B	12/31/09	5
Dibromomethane	BDL	0.0062	mg/kg	8260B	12/31/09	5
1,2-Dichlorobenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
1,3-Dichlorobenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
1,4-Dichlorobenzene	BDL	0.0062	mg/kg	8260B	12/31/09	5
Dichlorodifluoromethane	BDL	0.031	mg/kg	8260B	12/31/09	5
1,1-Dichloroethane	BDL	0.0062	mg/kg	8260B	12/31/09	5

Results listed are dry weight basis.
 BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Jim Inman
PSI - Cleveland, OH
5555 Canal Road
Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
Description : Coast Guard
Sample ID : B-4 23.5-25 FT
Collected By : Shelly Sterk
Collection Date : 12/18/09 00:00

ESC Sample # : L438092-04
Site ID :
Project # : 0142257

Table with 7 columns: Parameter, Dry Result, Det. Limit, Units, Method, Date, Dil. Lists various chemical parameters and their detection results.

Ohio DRO

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 04, 2010

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-4 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/18/09 00:00

ESC Sample # : L438092-04
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
C10-C20 Hydrocarbons	12.	4.9	mg/kg	8015M	12/30/09	1
C20-C34 Hydrocarbons	10.	4.9	mg/kg	8015M	12/30/09	1
Surrogate Recovery						
o-Terphenyl	113.		% Rec.	8015M	12/30/09	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1221	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1232	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1242	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1248	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1254	BDL	0.021	mg/kg	8082	12/30/09	1
PCB 1260	BDL	0.021	mg/kg	8082	12/30/09	1
PCBs Surrogates						
Decachlorobiphenyl	82.3		% Rec.	8082	12/30/09	1
Tetrachloro-m-xylene	74.1		% Rec.	8082	12/30/09	1
Base/Neutral Extractables						
Acenaphthene	0.89	0.041	mg/kg	8270C	12/30/09	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	12/30/09	1
Anthracene	2.1	0.041	mg/kg	8270C	12/30/09	1
Benzidine	BDL	0.41	mg/kg	8270C	12/30/09	1
Benzo(a)anthracene	2.3	0.041	mg/kg	8270C	12/30/09	1
Benzo(b)fluoranthene	2.3	0.041	mg/kg	8270C	12/30/09	1
Benzo(k)fluoranthene	0.41	0.041	mg/kg	8270C	12/30/09	1
Benzo(g,h,i)perylene	0.70	0.041	mg/kg	8270C	12/30/09	1
Benzo(a)pyrene	1.8	0.041	mg/kg	8270C	12/30/09	1
Bis(2-chloroethoxy)methane	BDL	0.41	mg/kg	8270C	12/30/09	1
Bis(2-chloroethyl)ether	BDL	0.41	mg/kg	8270C	12/30/09	1
Bis(2-chloroisopropyl)ether	BDL	0.41	mg/kg	8270C	12/30/09	1
4-Bromophenyl-phenylether	BDL	0.41	mg/kg	8270C	12/30/09	1
2-Chloronaphthalene	BDL	0.041	mg/kg	8270C	12/30/09	1
4-Chlorophenyl-phenylether	BDL	0.41	mg/kg	8270C	12/30/09	1
Chrysene	2.0	0.041	mg/kg	8270C	12/30/09	1
Dibenz(a,h)anthracene	0.39	0.041	mg/kg	8270C	12/30/09	1
3,3-Dichlorobenzidine	BDL	0.41	mg/kg	8270C	12/30/09	1
2,4-Dinitrotoluene	BDL	0.41	mg/kg	8270C	12/30/09	1
2,6-Dinitrotoluene	BDL	0.41	mg/kg	8270C	12/30/09	1
Fluoranthene	5.4	0.041	mg/kg	8270C	12/30/09	1
Fluorene	1.2	0.041	mg/kg	8270C	12/30/09	1
Hexachlorobenzene	BDL	0.41	mg/kg	8270C	12/30/09	1
Hexachloro-1,3-butadiene	BDL	0.41	mg/kg	8270C	12/30/09	1
Hexachlorocyclopentadiene	BDL	0.41	mg/kg	8270C	12/30/09	1
Hexachloroethane	BDL	0.41	mg/kg	8270C	12/30/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 04, 2010

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

Date Received : December 23, 2009
 Description : Coast Guard
 Sample ID : B-4 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/18/09 00:00

ESC Sample # : L438092-04
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Indeno(1,2,3-cd)pyrene	0.70	0.041	mg/kg	8270C	12/30/09	1
Isophorone	BDL	0.41	mg/kg	8270C	12/30/09	1
Naphthalene	0.57	0.041	mg/kg	8270C	12/30/09	1
Nitrobenzene	BDL	0.41	mg/kg	8270C	12/30/09	1
n-Nitrosodimethylamine	BDL	0.41	mg/kg	8270C	12/30/09	1
n-Nitrosodiphenylamine	BDL	0.41	mg/kg	8270C	12/30/09	1
n-Nitrosodi-n-propylamine	BDL	0.41	mg/kg	8270C	12/30/09	1
Phenanthrene	7.0	0.041	mg/kg	8270C	12/30/09	1
Benzylbutyl phthalate	BDL	0.41	mg/kg	8270C	12/30/09	1
Bis(2-ethylhexyl)phthalate	BDL	0.41	mg/kg	8270C	12/30/09	1
Di-n-butyl phthalate	BDL	0.41	mg/kg	8270C	12/30/09	1
Diethyl phthalate	BDL	0.41	mg/kg	8270C	12/30/09	1
Dimethyl phthalate	BDL	0.41	mg/kg	8270C	12/30/09	1
Di-n-octyl phthalate	BDL	0.41	mg/kg	8270C	12/30/09	1
Pyrene	4.1	0.041	mg/kg	8270C	12/30/09	1
1,2,4-Trichlorobenzene	BDL	0.41	mg/kg	8270C	12/30/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.41	mg/kg	8270C	12/30/09	1
2-Chlorophenol	BDL	0.41	mg/kg	8270C	12/30/09	1
2,4-Dichlorophenol	BDL	0.41	mg/kg	8270C	12/30/09	1
2,4-Dimethylphenol	BDL	0.41	mg/kg	8270C	12/30/09	1
4,6-Dinitro-2-methylphenol	BDL	0.41	mg/kg	8270C	12/30/09	1
2,4-Dinitrophenol	BDL	0.41	mg/kg	8270C	12/30/09	1
2-Nitrophenol	BDL	0.41	mg/kg	8270C	12/30/09	1
4-Nitrophenol	BDL	0.41	mg/kg	8270C	12/30/09	1
Pentachlorophenol	BDL	0.41	mg/kg	8270C	12/30/09	1
Phenol	BDL	0.41	mg/kg	8270C	12/30/09	1
2,4,6-Trichlorophenol	BDL	0.41	mg/kg	8270C	12/30/09	1
Surrogate Recovery						
2-Fluorophenol	67.2		% Rec.	8270C	12/30/09	1
Phenol-d5	71.3		% Rec.	8270C	12/30/09	1
Nitrobenzene-d5	53.8		% Rec.	8270C	12/30/09	1
2-Fluorobiphenyl	68.2		% Rec.	8270C	12/30/09	1
2,4,6-Tribromophenol	65.7		% Rec.	8270C	12/30/09	1
p-Terphenyl-d14	64.5		% Rec.	8270C	12/30/09	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Reported: 12/31/09 17:32 Revised: 01/04/10 08:31

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L438092-01	WG456784	SAMP	Fluoranthene	R1059889	E
	WG456784	SAMP	Phenanthrene	R1059889	E
	WG456784	SAMP	4-Nitrophenol	R1059889	J4
L438092-02	WG456784	SAMP	4-Nitrophenol	R1059889	J4
L438092-03	WG456784	SAMP	4-Nitrophenol	R1059889	J4
L438092-04	WG456784	SAMP	Fluoranthene	R1059889	E
	WG456784	SAMP	Phenanthrene	R1059889	E
	WG456784	SAMP	Pyrene	R1059889	E
	WG456784	SAMP	4-Nitrophenol	R1059889	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
01/04/10 at 08:32:01

TSR Signing Reports: 350
R5 - Desired TAT

Log ALL srsenic GW samples by 6020.

Sample: L438092-01 Account: PSICOH Received: 12/23/09 09:40 Due Date: 12/31/09 00:00 RPT Date: 12/31/09 17:32

Sample: L438092-02 Account: PSICOH Received: 12/23/09 09:40 Due Date: 12/31/09 00:00 RPT Date: 12/31/09 17:32

Sample: L438092-03 Account: PSICOH Received: 12/23/09 09:40 Due Date: 12/31/09 00:00 RPT Date: 12/31/09 17:32

Sample: L438092-04 Account: PSICOH Received: 12/23/09 09:40 Due Date: 12/31/09 00:00 RPT Date: 12/31/09 17:32

Company Name/Address:
 PSI
 5555 Canal Road
 Cleveland, OH 44125

Billing Information:
 Env 137

Analysis/Container/Preservative

Chain of Custody
 Page 1 of 1



12065 Lebanon Road
 Mt. Juliet, TN 37122

Phone: (800) 767-5859
 Phone: (615) 758-5858
 Fax: (615) 758-5859

Report to: Jim Inman

Email to: jim.inman@psiusa.com

Project Description: Coast Guard

City/State Collected: Cleveland, OH

Phone: 216-447-1335
 FAX: 216-642-7008

Client Project #: 0142257

ESC Key:

Collected by (print): Shelly Sterk

Site/Facility ID#:

P.O.#: 0142257

Collected by (signature):
 Immediately Packed on Ice N Y

Rush? (Lab MUST Be Notified)
 Same Day..... 200%
 Next Day..... 100%
 Two Day..... 50%
 Three Day..... 25%

Date Results Needed:
 Email? No Yes
 FAX? No Yes

VOCs - 8260	SVOCs - 8270	TPH - Fuel Range - 8015	PCRA 8 Metals EPA 6010/6020	PCB - 8082
-------------	--------------	-------------------------	-----------------------------	------------

CoCode: (lab use only)
 Template/Prelogin
 Shipped Via:

F128

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
B-1	G	SS	23.5'-25.0'	12/17/09		5
B-2	G	SS	28.5'-30.0'	12/18		5
B-3	G	SS	33.5'-35.0'	12/22		5
B-4	G	SS	23.5'-25.0'	12/18		5

Remarks/Contaminant	Sample # (lab only)
	LY5809201
	02
	03
	04

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)
 Shelly Sterk

Date: 12/22/09
 Time: 5:00 PM

Received by: (Signature)
 [Signature]

Samples returned via: UPS
 FedEx Courier _____
 Temp: 3.8°C
 Bottles Received: 20

Condition: (lab use only) OK
 CoC Seals Intact Y N NA
 pH Checked: _____
 NCF: _____

Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)
 [Signature]

Date: 12-23-09
 Time: 0940



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Tax I.D. 62-0814289

Est. 1970

Jim Inman
PSI - Cleveland, OH
5555 Canal Road

Cleveland, OH 44125

Report Summary

Monday January 11, 2010

Report Number: L438973

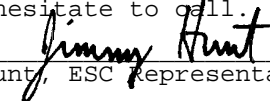
Samples Received: 01/05/10

Client Project: 0142257

Description: Coast Guard

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jimmy Hunt, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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Est. 1970

REPORT OF ANALYSIS

January 11, 2010

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

Date Received : January 05, 2010
 Description : Coast Guard
 Sample ID : B-5 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/23/09 00:00

ESC Sample # : L438973-01
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.3		%	2540G	01/06/10	1
Mercury	0.11	0.024	mg/kg	7471	01/07/10	1
Arsenic	14.	1.2	mg/kg	6010B	01/06/10	1
Barium	45.	0.30	mg/kg	6010B	01/06/10	1
Cadmium	7.1	0.30	mg/kg	6010B	01/06/10	1
Chromium	57.	0.59	mg/kg	6010B	01/06/10	1
Lead	32.	0.30	mg/kg	6010B	01/06/10	1
Selenium	19.	1.2	mg/kg	6010B	01/06/10	1
Silver	6.9	0.59	mg/kg	6010B	01/06/10	1
TPH C6 - C12	BDL	0.12	mg/kg	8015	01/06/10	1
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015	01/06/10	1
Volatile Organics						
Acetone	BDL	0.059	mg/kg	8260B	01/06/10	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	01/06/10	1
Benzene	0.0012	0.0012	mg/kg	8260B	01/06/10	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
Bromoform	BDL	0.0012	mg/kg	8260B	01/06/10	1
Bromomethane	BDL	0.0059	mg/kg	8260B	01/06/10	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	01/06/10	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
Chloroethane	BDL	0.0059	mg/kg	8260B	01/06/10	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	01/06/10	1
Chloroform	BDL	0.0059	mg/kg	8260B	01/06/10	1
Chloromethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	01/06/10	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	01/06/10	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	01/06/10	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	01/06/10	1

Results listed are dry weight basis.
 BDL - Below Detection Limit
 Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

January 11, 2010

Date Received : January 05, 2010
 Description : Coast Guard
 Sample ID : B-5 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/23/09 00:00

ESC Sample # : L438973-01
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	01/06/10	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	01/06/10	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	01/06/10	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	01/06/10	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	01/06/10	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	01/06/10	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	01/06/10	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	01/06/10	1
n-Hexane	BDL	0.012	mg/kg	8260B	01/06/10	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	01/06/10	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	01/06/10	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	01/06/10	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	01/06/10	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	01/06/10	1
Naphthalene	BDL	0.0059	mg/kg	8260B	01/06/10	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Styrene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Toluene	BDL	0.0059	mg/kg	8260B	01/06/10	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	01/06/10	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	01/06/10	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	01/06/10	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	01/06/10	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	01/06/10	1
Surrogate Recovery						
Toluene-d8	99.1		% Rec.	8260B	01/06/10	1
Dibromofluoromethane	99.8		% Rec.	8260B	01/06/10	1
4-Bromofluorobenzene	81.0		% Rec.	8260B	01/06/10	1

Ohio DRO

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

January 11, 2010

Jim Inman
 PSI - Cleveland, OH
 5555 Canal Road
 Cleveland, OH 44125

Date Received : January 05, 2010
 Description : Coast Guard
 Sample ID : B-5 23.5-25 FT
 Collected By : Shelly Sterk
 Collection Date : 12/23/09 00:00

ESC Sample # : L438973-01
 Site ID :
 Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
C10-C20 Hydrocarbons	49.	4.7	mg/kg	8015M	01/06/10	1
C20-C34 Hydrocarbons	85.	4.7	mg/kg	8015M	01/06/10	1
Surrogate Recovery						
o-Terphenyl	90.3		% Rec.	8015M	01/06/10	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.020	mg/kg	8082	01/07/10	1
PCB 1221	BDL	0.020	mg/kg	8082	01/07/10	1
PCB 1232	BDL	0.020	mg/kg	8082	01/07/10	1
PCB 1242	BDL	0.020	mg/kg	8082	01/07/10	1
PCB 1248	BDL	0.020	mg/kg	8082	01/07/10	1
PCB 1254	BDL	0.020	mg/kg	8082	01/07/10	1
PCB 1260	BDL	0.020	mg/kg	8082	01/07/10	1
PCBs Surrogates						
Decachlorobiphenyl	69.1		% Rec.	8082	01/07/10	1
Tetrachloro-m-xylene	39.9		% Rec.	8082	01/07/10	1
Base/Neutral Extractables						
Acenaphthene	2.2	0.039	mg/kg	8270C	01/06/10	1
Acenaphthylene	BDL	0.039	mg/kg	8270C	01/06/10	1
Anthracene	4.4	0.39	mg/kg	8270C	01/08/10	10
Benzidine	BDL	0.40	mg/kg	8270C	01/06/10	1
Benzo(a)anthracene	4.8	0.39	mg/kg	8270C	01/08/10	10
Benzo(b)fluoranthene	4.9	0.39	mg/kg	8270C	01/08/10	10
Benzo(k)fluoranthene	0.58	0.039	mg/kg	8270C	01/06/10	1
Benzo(g,h,i)perylene	0.62	0.039	mg/kg	8270C	01/06/10	1
Benzo(a)pyrene	2.9	0.039	mg/kg	8270C	01/06/10	1
Bis(2-chlorethoxy)methane	BDL	0.40	mg/kg	8270C	01/06/10	1
Bis(2-chloroethyl)ether	BDL	0.40	mg/kg	8270C	01/06/10	1
Bis(2-chloroisopropyl)ether	BDL	0.40	mg/kg	8270C	01/06/10	1
4-Bromophenyl-phenylether	BDL	0.40	mg/kg	8270C	01/06/10	1
2-Chloronaphthalene	BDL	0.039	mg/kg	8270C	01/06/10	1
4-Chlorophenyl-phenylether	BDL	0.40	mg/kg	8270C	01/06/10	1
Chrysene	2.6	0.039	mg/kg	8270C	01/06/10	1
Dibenz(a,h)anthracene	0.14	0.039	mg/kg	8270C	01/06/10	1
Dibenzofuran	1.4	0.40	mg/kg	8270C	01/06/10	1
3,3-Dichlorobenzidine	BDL	0.40	mg/kg	8270C	01/06/10	1
2,4-Dinitrotoluene	BDL	0.40	mg/kg	8270C	01/06/10	1
2,6-Dinitrotoluene	BDL	0.40	mg/kg	8270C	01/06/10	1
Fluoranthene	12.	0.39	mg/kg	8270C	01/08/10	10
Fluorene	2.2	0.039	mg/kg	8270C	01/06/10	1
Hexachloro-1,3-butadiene	BDL	0.40	mg/kg	8270C	01/06/10	1
Hexachlorobenzene	BDL	0.40	mg/kg	8270C	01/06/10	1
Hexachlorocyclopentadiene	BDL	0.40	mg/kg	8270C	01/06/10	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jim Inman
PSI - Cleveland, OH
5555 Canal Road
Cleveland, OH 44125

January 11, 2010

Date Received : January 05, 2010
Description : Coast Guard
Sample ID : B-5 23.5-25 FT
Collected By : Shelly Sterk
Collection Date : 12/23/09 00:00

ESC Sample # : L438973-01
Site ID :
Project # : 0142257

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Hexachloroethane	BDL	0.40	mg/kg	8270C	01/06/10	1
Indeno(1,2,3-cd)pyrene	0.65	0.039	mg/kg	8270C	01/06/10	1
Isophorone	BDL	0.40	mg/kg	8270C	01/06/10	1
Naphthalene	0.57	0.039	mg/kg	8270C	01/06/10	1
Nitrobenzene	BDL	0.40	mg/kg	8270C	01/06/10	1
n-Nitrosodimethylamine	BDL	0.40	mg/kg	8270C	01/06/10	1
n-Nitrosodiphenylamine	BDL	0.40	mg/kg	8270C	01/06/10	1
n-Nitrosodi-n-propylamine	BDL	0.40	mg/kg	8270C	01/06/10	1
Phenanthrene	13.	0.39	mg/kg	8270C	01/08/10	10
Benzylbutyl phthalate	BDL	0.40	mg/kg	8270C	01/06/10	1
Bis(2-ethylhexyl)phthalate	BDL	0.40	mg/kg	8270C	01/06/10	1
Di-n-butyl phthalate	BDL	0.40	mg/kg	8270C	01/06/10	1
Diethyl phthalate	BDL	0.40	mg/kg	8270C	01/06/10	1
Dimethyl phthalate	BDL	0.40	mg/kg	8270C	01/06/10	1
Di-n-octyl phthalate	BDL	0.40	mg/kg	8270C	01/06/10	1
Pyrene	11.	0.39	mg/kg	8270C	01/08/10	10
Pyridine	BDL	0.40	mg/kg	8270C	01/06/10	1
1,2,4-Trichlorobenzene	BDL	0.40	mg/kg	8270C	01/06/10	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2-Chlorophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2,4-Dichlorophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2,4-Dimethylphenol	BDL	0.40	mg/kg	8270C	01/06/10	1
4,6-Dinitro-2-methylphenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2,4-Dinitrophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2-Methylphenol	BDL	0.40	mg/kg	8270C	01/06/10	1
3&4-Methyl Phenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2-Nitrophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
4-Nitrophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
Phenol	BDL	0.40	mg/kg	8270C	01/06/10	1
Pentachlorophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2,4,5-Trichlorophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
2,4,6-Trichlorophenol	BDL	0.40	mg/kg	8270C	01/06/10	1
Surrogate Recovery						
Nitrobenzene-d5	57.8		% Rec.	8270C	01/06/10	1
2-Fluorobiphenyl	47.7		% Rec.	8270C	01/06/10	1
p-Terphenyl-d14	42.6		% Rec.	8270C	01/06/10	1
Phenol-d5	64.2		% Rec.	8270C	01/06/10	1
2-Fluorophenol	69.8		% Rec.	8270C	01/06/10	1
2,4,6-Tribromophenol	52.5		% Rec.	8270C	01/06/10	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 01/11/10 14:30 Printed: 01/11/10 15:12

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L438973-01	WG457907	SAMP	Acenaphthene	R1065450	J6
	WG457907	SAMP	Anthracene	R1065450	J6
	WG457907	SAMP	Benzo(a)anthracene	R1065450	J6
	WG457907	SAMP	Benzo(b)fluoranthene	R1065450	J6
	WG457907	SAMP	Benzo(k)fluoranthene	R1065450	J6J8
	WG457907	SAMP	Benzo(g,h,i)perylene	R1065450	J6J8
	WG457907	SAMP	Benzo(a)pyrene	R1065450	J6J8
	WG457907	SAMP	Chrysene	R1065450	J6
	WG457907	SAMP	Dibenz(a,h)anthracene	R1065450	J6J8
	WG457907	SAMP	Dibenzofuran	R1065450	J6
	WG457907	SAMP	Fluoranthene	R1065450	J6
	WG457907	SAMP	Fluorene	R1065450	J6
	WG457907	SAMP	Indeno(1,2,3-cd)pyrene	R1065450	J6J8
	WG457907	SAMP	Naphthalene	R1065450	J6
	WG457907	SAMP	n-Nitrosodiphenylamine	R1065450	J4
	WG457907	SAMP	Phenanthrene	R1065450	J6
	WG457907	SAMP	Pyrene	R1065450	J6
	WG457907	SAMP	2,4,6-Trichlorophenol	R1065450	J4
	WG457651	SAMP	C10-C20 Hydrocarbons	R1064668	J6
	WG457651	SAMP	C20-C34 Hydrocarbons	R1064668	J6

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
J8	The internal standard associated with this data responded abnormally low. The data is likely to show a high bias concerning the result.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
01/11/10 at 15:12:47

TSR Signing Reports: 350
R5 - Desired TAT

Log ALL arsenic GW samples by 6020.

Sample: L438973-01 Account: PSICOH Received: 01/05/10 09:00 Due Date: 01/12/10 00:00 RPT Date: 01/11/10 14:30

APPENDIX D: FURNITURE, FIXTURES AND EQUIPMENT REQUIREMENTS