

Mid-Atlantic

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Analytical Report

Project Name: Abrachem Chemical

MAEL Job Number: 29955

Client: AECOM Environment
4840 Cox Road
Glen Allen, VA 23060

Contact Name: Kimberly Alvested

Date Received: 5/29/2009

Date Reported: 6/18/2009

Analytical test results for methods listed on the laboratory's scope of accreditation meet all requirements of NELAC unless otherwise noted. All sample holding times and preservation requirements were met unless otherwise noted. Test results relate only to the sample tested. This report shall not be reproduced, except in full, without prior written authorization of Mid-Atlantic Environmental Laboratories, Inc.

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Solid

Lab Sample #: 29955-1

Sample Type: Grab

Client Sample ID: Sump I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Ignitability								
Ignitability		No		Y/N	1030		JL V	6/1/2009 11:00 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:13 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	248.		mg/kg	6010B	6.25	VR P	6/5/2009 3:06 PM
Antimony	7440-36-0	13.1		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Barium	7440-39-3	2.06		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Calcium	7440-70-2	322.		mg/kg	6010B	6.25	VR P	6/5/2009 3:06 PM
Chromium	7440-47-3	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Copper	7440-50-8	12.4		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Iron	7439-89-6	1090		mg/kg	6010B	6.25	VR P	6/5/2009 3:06 PM
Lead	7439-92-1	1.63		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Magnesium	7439-95-4	163.		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Manganese	7439-96-5	13.6		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Potassium	7440-09-7	48.0		mg/kg	6010B	12.5	VR P	6/5/2009 2:59 PM
Selenium	7782-49-2	10.7		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Sodium	7440-23-5	35.6		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Vanadium	7440-62-2	1.62		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
Zinc	7440-66-6	31.3		mg/kg	6010B	1.25	VR P	6/5/2009 2:59 PM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	2.00	C R	6/8/2009 6:26 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	2.00	C R	6/8/2009 6:26 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	2.00	C R	6/8/2009 6:26 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	2.00	C R	6/8/2009 6:26 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	2.00	C R	6/8/2009 6:26 PM

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PCBs - Non-aqueous								
PCB-1254	11097-69-1	ND		mg/kg	8082	2.00	C R	6/8/2009 6:26 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	2.00	C R	6/8/2009 6:26 PM
pH - non-aqueous								
Corrosivity (pH)		6.91		S.U.	9045D		JL V	6/16/2009 3:20 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/16/2009 3:02 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	0.500	I R	6/4/2009 7:11 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	0.500	I R	6/4/2009 7:11 PM
Phenol	108-95-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Anthracene	120-12-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM

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Semi Volatile Organics (TCL) - non-aqueous								
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Carbazole	86-74-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Chrysene	218-01-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
1,4-Dichlorobenzene	106-46-7	0.210		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Fluorene	86-73-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	0.500	I R	6/4/2009 7:11 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Isophorone	78-59-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM

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Sample Matrix: Solid

Client Sample ID: Sump I

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Pyrene	129-00-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:11 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/16/2009 2:07 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/18/2009 1:40 PM
Barium	7440-39-3	0.09		mg/L	1311/6010B	0.05	VR P	6/18/2009 1:40 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/18/2009 1:40 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	VR P	6/18/2009 1:40 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	VR P	6/18/2009 1:40 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	VR P	6/18/2009 1:40 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/18/2009 1:40 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:55 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
Chlorobenzene	108-90-7	0.20		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/11/2009 1:08 PM

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TCLP Volatiles								
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:08 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 8:57 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 8:57 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Chlorobenzene	108-90-7	18.58		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Chloroform	67-66-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 8:57 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.400	I R	6/3/2009 8:57 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 8:57 PM
Styrene	100-42-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Toluene	108-88-3	0.217		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM

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Volatile Organics (TCL) - non-aqueous								
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
cis-1,2-Dichloroethene	156-59-4	0.299		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,2-Dichlorobenzene	95-50-1	0.402		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,3-Dichlorobenzene	541-73-1	2.829		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,4-Dichlorobenzene	106-46-7	6.188		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.400	I R	6/3/2009 8:57 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 8:57 PM



Akhter Mehmood
Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-2

Client Sample ID: Sump II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 4:26 PM
Mercury - Aqueous								
Mercury	7439-97-6	ND		ug/L	7470A	1.00	JL V	6/16/2009 10:31 AM
Metals (Target Analyte List) - aqueous								
Aluminum	7429-90-5	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Antimony	7440-36-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Arsenic	7440-38-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Barium	7440-39-3	86.0		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Calcium	7440-70-2	9570		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Chromium	7440-47-3	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Cobalt	7440-48-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Copper	7440-50-8	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Iron	7439-89-6	5870		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Lead	7439-92-1	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Magnesium	7439-95-4	1800		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Manganese	7439-96-5	158.		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Nickel	7440-02-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Potassium	7440-09-7	3980		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Selenium	7782-49-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Silver	7440-22-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Sodium	7440-23-5	7530		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Thallium	7440-28-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Vanadium	7440-62-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
Zinc	7440-66-6	ND		ug/L	6010B	50.0	VR P	6/12/2009 2:20 PM
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082	20.0	C R	6/12/2009 3:32 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	20.0	C R	6/12/2009 3:32 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	20.0	C R	6/12/2009 3:32 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	20.0	C R	6/12/2009 3:32 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	20.0	C R	6/12/2009 3:32 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	20.0	C R	6/12/2009 3:32 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	20.0	C R	6/12/2009 3:32 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-2

Client Sample ID: Sump II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH, Paper								
pH		5.0		S.U.	9041A		JL V	6/10/2009 11:45 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/16/2009 3:02 PM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,4-Dimethylphenol	105-67-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2-Methylphenol	95-48-7	2070		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Phenol	108-95-2	205.		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Acenaphthene	83-32-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Acenaphthylene	208-96-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Anthracene	120-12-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,2'-Oxybis(1-Chloropropane)	540-54-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Carbazole	86-74-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-2

Sample Matrix: Unknown Liquid

Client Sample ID: Sump II

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
2-Chloronaphthalene	91-58-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Chrysene	218-01-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Dibenzofuran	132-64-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Diethylphthalate	84-66-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Di-n-butylphthalate	84-74-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Di-n-octylphthalate	117-84-0	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Fluoranthene	206-44-0	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Fluorene	86-73-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	50.0	I R	6/16/2009 10:13 AM
Hexachloroethane	67-72-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Isophorone	78-59-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2-Methylnaphthalene	91-57-6	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Naphthalene	91-20-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Nitrobenzene	98-95-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Phenanthrene	85-01-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
Pyrene	129-00-0	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM
4-Methylphenol	106-44-5	146.		ug/L	8270C	20.0	I R	6/16/2009 10:13 AM

TCLP Mercury

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-2

Client Sample ID: Sump II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/16/2009 10:31 AM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 2:20 PM
Barium	7440-39-3	0.09		mg/L	1311/6010B	0.05	S OT	6/12/2009 2:20 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 2:20 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 2:20 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 2:20 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 2:20 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 2:20 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
2-Methylphenol	95-48-7	20.7		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
3- & 4- Methylphenol	61379-65-5	0.15		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
Pyridine	110-86-1	0.79		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:13 AM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/3/2009 11:04 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:04 AM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	1180		ug/L	8260B	100.	I R	6/3/2009 11:04 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Unknown Liquid

Lab Sample #: 29955-2

Sample Type: Grab

Client Sample ID: Sump II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
Benzene	71-43-2	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Bromoform (Tribromomethane)	75-25-2	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Bromomethane	74-83-9	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
2-Butanone (MEK)	78-93-3	ND		ug/L	8260B	100.	I R	6/3/2009 11:04 AM
Carbon disulfide	75-15-0	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Chlorobenzene	108-90-7	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Chloroethane	75-00-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Chloroform	67-66-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,1-Dichloroethane	75-34-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Ethylbenzene	100-41-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
2-Hexanone	591-78-6	ND		ug/L	8260B	100.	I R	6/3/2009 11:04 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		ug/L	8260B	40.0	I R	6/3/2009 11:04 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		ug/L	8260B	100.	I R	6/3/2009 11:04 AM
Styrene	100-42-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Toluene	108-88-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,1,1-Trichloroethane	71-55-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
o-Xylene	95-47-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,1,2-Trichloro-1,2,	76-13-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-2

Client Sample ID: Sump II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
2-Trifluoroethane								
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Bromochloromethane	74-97-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
Tetrachloroethene (PCE)	127-18-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
m,p-Xylene	136777-61-2	ND		ug/L	8260B	40.0	I R	6/3/2009 11:04 AM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM
1,2,3-Trichlorobenzene	87-61-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:04 AM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-3

Client Sample ID: Sump III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 4:10 PM
Mercury - Aqueous								
Mercury	7439-97-6	ND		ug/L	7470A	1.00	JL V	6/5/2009 11:09 AM
Metals (Target Analyte List) - aqueous								
Aluminum	7429-90-5	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Antimony	7440-36-0	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Arsenic	7440-38-2	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Barium	7440-39-3	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Calcium	7440-70-2	29300		ug/L	6010B	250.	VR P	6/5/2009 11:30 AM
Chromium	7440-47-3	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Cobalt	7440-48-4	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Copper	7440-50-8	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Iron	7439-89-6	5940		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Lead	7439-92-1	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Magnesium	7439-95-4	2200		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Manganese	7439-96-5	145.		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Nickel	7440-02-0	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Potassium	7440-09-7	19300		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Selenium	7782-49-2	394.		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Silver	7440-22-4	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Sodium	7440-23-5	31500		ug/L	6010B	250.	VR P	6/5/2009 11:30 AM
Thallium	7440-28-0	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Vanadium	7440-62-2	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
Zinc	7440-66-6	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:18 AM
PCBs - Aqueous								
PCB-1016	12674-11-2	ND		ug/L	8082	20.0	C R	6/12/2009 3:54 PM
PCB-1221	11104-28-2	ND		ug/L	8082	20.0	C R	6/12/2009 3:54 PM
PCB-1232	11141-16-5	ND		ug/L	8082	20.0	C R	6/12/2009 3:54 PM
PCB-1242	53469-21-9	ND		ug/L	8082	20.0	C R	6/12/2009 3:54 PM
PCB-1248	12672-29-6	ND		ug/L	8082	20.0	C R	6/12/2009 3:54 PM
PCB-1254	11097-69-1	ND		ug/L	8082	20.0	C R	6/12/2009 3:54 PM
PCB-1260	11096-82-5	ND		ug/L	8082	20.0	C R	6/12/2009 3:54 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-3

Client Sample ID: Sump III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH - Aqueous								
pH		7.71		S.U.	4500-H B		JL V	6/16/2009 3:16 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,4-Dimethylphenol	105-67-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2-Methylphenol	95-48-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Phenol	108-95-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Acenaphthene	83-32-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Acenaphthylene	208-96-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Anthracene	120-12-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,2'-Oxybis(1-Chloropropane)	540-54-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Carbazole	86-74-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-3

Sample Matrix: Unknown Liquid

Client Sample ID: Sump III

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
2-Chloronaphthalene	91-58-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Chrysene	218-01-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Dibenzofuran	132-64-9	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Diethylphthalate	84-66-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Di-n-butylphthalate	84-74-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Di-n-octylphthalate	117-84-0	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Fluoranthene	206-44-0	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Fluorene	86-73-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	50.0	I R	6/16/2009 10:45 AM
Hexachloroethane	67-72-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Isophorone	78-59-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2-Methylnaphthalene	91-57-6	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Naphthalene	91-20-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Nitrobenzene	98-95-3	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Phenanthrene	85-01-8	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
Pyrene	129-00-0	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM
4-Methylphenol	106-44-5	ND		ug/L	8270C	20.0	I R	6/16/2009 10:45 AM

TCLP Mercury

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-3

Client Sample ID: Sump III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/5/2009 11:09 AM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:18 AM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:18 AM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:18 AM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:18 AM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:18 AM
Selenium	7782-49-2	0.39		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:18 AM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:18 AM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 10:45 AM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/3/2009 11:39 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 11:39 AM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	428.		ug/L	8260B	100.	I R	6/3/2009 11:39 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-3

Client Sample ID: Sump III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
Benzene	71-43-2	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Bromoform (Tribromomethane)	75-25-2	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Bromomethane	74-83-9	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
2-Butanone (MEK)	78-93-3	ND		ug/L	8260B	100.	I R	6/3/2009 11:39 AM
Carbon disulfide	75-15-0	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Chlorobenzene	108-90-7	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Chloroethane	75-00-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Chloroform	67-66-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,1-Dichloroethane	75-34-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Ethylbenzene	100-41-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
2-Hexanone	591-78-6	ND		ug/L	8260B	100.	I R	6/3/2009 11:39 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		ug/L	8260B	40.0	I R	6/3/2009 11:39 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		ug/L	8260B	100.	I R	6/3/2009 11:39 AM
Styrene	100-42-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Toluene	108-88-3	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,1,1-Trichloroethane	71-55-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
o-Xylene	95-47-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,1,2-Trichloro-1,2,	76-13-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-3

Client Sample ID: Sump III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
2-Trifluoroethane								
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Bromochloromethane	74-97-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
Tetrachloroethene (PCE)	127-18-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
m,p-Xylene	136777-61-2	ND		ug/L	8260B	40.0	I R	6/3/2009 11:39 AM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM
1,2,3-Trichlorobenzene	87-61-6	ND		ug/L	8260B	20.0	I R	6/3/2009 11:39 AM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Sludge

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-4

Client Sample ID: Soil I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Ignitability								
Ignitability		No		Y/N	1030		JL V	6/1/2009 11:00 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:01 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	2510		mg/kg	6010B	25.0	A R	6/5/2009 4:36 PM
Antimony	7440-36-0	10.2		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Barium	7440-39-3	23.5		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Calcium	7440-70-2	5560		mg/kg	6010B	62.5	A R	6/5/2009 4:39 PM
Chromium	7440-47-3	15.1		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Cobalt	7440-48-4	1.59		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Copper	7440-50-8	25.0		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Iron	7439-89-6	32200		mg/kg	6010B	250.	VR P	6/8/2009 9:39 AM
Lead	7439-92-1	36.6		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Magnesium	7439-95-4	1590		mg/kg	6010B	12.5	A R	6/5/2009 4:32 PM
Manganese	7439-96-5	138.		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Nickel	7440-02-0	11.1		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Potassium	7440-09-7	600.		mg/kg	6010B	12.5	A R	6/5/2009 4:28 PM
Selenium	7782-49-2	94.0		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Sodium	7440-23-5	385.		mg/kg	6010B	6.25	A R	6/5/2009 4:28 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Vanadium	7440-62-2	21.9		mg/kg	6010B	1.25	A R	6/5/2009 3:37 PM
Zinc	7440-66-6	611.		mg/kg	6010B	1.25	A R	6/5/2009 4:28 PM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	2.00	C R	6/8/2009 6:47 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	2.00	C R	6/8/2009 6:47 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	2.00	C R	6/8/2009 6:47 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	2.00	C R	6/8/2009 6:47 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	2.00	C R	6/8/2009 6:47 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	2.00	C R	6/8/2009 6:47 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	2.00	C R	6/8/2009 6:47 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-4

Sample Matrix: Sludge

Client Sample ID: Soil I

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH - non-aqueous								
Corrosivity (pH)		5.74		S.U.	9045D		JL V	6/16/2009 3:21 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/16/2009 3:02 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	5.000	I R	6/5/2009 12:36 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 12:36 PM
Phenol	108-95-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Anthracene	120-12-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Carbazole	86-74-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-4

Sample Matrix: Sludge

Client Sample ID: Soil I

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Chrysene	218-01-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Fluorene	86-73-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	5.000	I R	6/5/2009 12:36 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Isophorone	78-59-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
Pyrene	129-00-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:36 PM

TCLP Mercury

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-4

Sample Matrix: Sludge

Client Sample ID: Soil I

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:12 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:09 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:09 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:09 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:09 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:09 PM
Selenium	7782-49-2	0.27		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:09 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:09 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:04 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/11/2009 1:38 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 1:38 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 10:09 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-4

Sample Matrix: Sludge

Client Sample ID: Soil I

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Benzene	71-43-2	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 10:09 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Chloroform	67-66-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 10:09 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.400	I R	6/3/2009 10:09 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 10:09 PM
Styrene	100-42-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Toluene	108-88-3	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/8/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-4

Sample Matrix: Sludge

Client Sample ID: Soil I

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.400	I R	6/3/2009 10:09 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.200	I R	6/3/2009 10:09 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-5

Sample Matrix: Solid

Client Sample ID: Chlorinated I

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Ignitability								
Ignitability		No		Y/N	1030		JL V	6/1/2009 11:00 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:01 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	7.13		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Antimony	7440-36-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Barium	7440-39-3	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Calcium	7440-70-2	20.6		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Chromium	7440-47-3	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Copper	7440-50-8	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Iron	7439-89-6	96.3		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Lead	7439-92-1	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Magnesium	7439-95-4	4.18		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Manganese	7439-96-5	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Potassium	7440-09-7	ND		mg/kg	6010B	12.5	A R	6/5/2009 3:47 PM
Selenium	7782-49-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Sodium	7440-23-5	101.		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:47 PM
Zinc	7440-66-6	9.26		mg/kg	6010B	1.25	VR P	6/8/2009 9:58 PM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	2.00	C R	6/8/2009 7:09 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	2.00	C R	6/8/2009 7:09 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	2.00	C R	6/8/2009 7:09 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	2.00	C R	6/8/2009 7:09 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	2.00	C R	6/8/2009 7:09 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	2.00	C R	6/8/2009 7:09 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	2.00	C R	6/8/2009 7:09 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-5

Client Sample ID: Chlorinated I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Percent Moisture/Percent Solid								
Total Moisture		3.43		%	2540G	0.10	A R	6/15/2009 4:00 PM
pH - non-aqueous								
Corrosivity (pH)		3.54		S.U.	9045D		JL V	6/16/2009 3:24 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/16/2009 3:02 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	12.50	I R	6/5/2009 1:10 PM
2-Methylphenol	95-48-7	90.87		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	12.50	I R	6/5/2009 1:10 PM
Phenol	108-95-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Anthracene	120-12-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-5

Sample Matrix: Solid

Client Sample ID: Chlorinated I

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Carbazole	86-74-8	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Chrysene	218-01-9	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Fluorene	86-73-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	12.50	I R	6/5/2009 1:10 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Isophorone	78-59-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
Pyrene	129-00-0	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-5

Client Sample ID: Chlorinated I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	5.000	I R	6/5/2009 1:10 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:35 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:12 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:12 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:12 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:12 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:12 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:12 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:12 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
2-Methylphenol	95-48-7	1.77		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 3:35 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/16/2009 12:30 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-5

Sample Matrix: Solid

Client Sample ID: Chlorinated I

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Volatiles								
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 12:30 PM
Total Organic Carbon - Solid								
Total Organic Carbon		ND		wt%-dry	MSA 29-3.5.2	0.10	SU B	6/10/2009 2:17 PM
Total Organic Halides								
Total Organic Halides		121000		mg/kg	9023	25.0	S M	6/16/2009 11:00 AM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 1:09 AM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Bromomethane	74-83-9	4.556		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
2-Butanone (MEK)	78-93-3	343.8		mg/kg	8260B	20.00	I R	6/4/2009 1:09 AM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 1:09 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	50.00	I R	6/4/2009 1:09 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 1:09 AM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Toluene	108-88-3	1305.		mg/kg	8260B	10.00	I R	6/4/2009 1:50 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Lab Project #: 29955

Sampled By: JM/DW


Lab Sample #: 29955-5

Sample Matrix: Solid

Client Sample ID: Chlorinated I

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	4.000	I R	6/4/2009 1:09 AM
o-Xylene	95-47-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:09 AM



 Akhter Mehmood
 Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-6

Sample Matrix: Solid

Client Sample ID: Chlorinated II

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Ignitability								
Ignitability		No		Y/N	1030		JL V	6/1/2009 11:00 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 1:56 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	6.73		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Antimony	7440-36-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Barium	7440-39-3	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Calcium	7440-70-2	12.3		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Chromium	7440-47-3	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Copper	7440-50-8	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Iron	7439-89-6	36.7		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Lead	7439-92-1	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Magnesium	7439-95-4	3.64		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Manganese	7439-96-5	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Potassium	7440-09-7	ND		mg/kg	6010B	12.5	VR P	6/5/2009 3:40 PM
Selenium	7782-49-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Sodium	7440-23-5	43.2		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
Zinc	7440-66-6	3.27		mg/kg	6010B	1.25	VR P	6/5/2009 3:40 PM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	2.00	C R	6/8/2009 7:30 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	2.00	C R	6/8/2009 7:30 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	2.00	C R	6/8/2009 7:30 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	2.00	C R	6/8/2009 7:30 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	2.00	C R	6/8/2009 7:30 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	2.00	C R	6/8/2009 7:30 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	2.00	C R	6/8/2009 7:30 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-6

Client Sample ID: Chlorinated II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Percent Moisture/Percent Solid								
Total Moisture		23.3		%	2540G	0.10	A R	6/15/2009 4:00 PM
pH - non-aqueous								
Corrosivity (pH)		7.62		S.U.	9045D		JL V	6/16/2009 3:27 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/16/2009 3:02 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	5.000	I R	6/5/2009 12:03 PM
2-Methylphenol	95-48-7	14.21		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 12:03 PM
Phenol	108-95-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Anthracene	120-12-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-6

Sample Matrix: Solid

Client Sample ID: Chlorinated II

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Carbazole	86-74-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Chrysene	218-01-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Fluorene	86-73-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	5.000	I R	6/5/2009 12:03 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Isophorone	78-59-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
Pyrene	129-00-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-6

Client Sample ID: Chlorinated II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 12:03 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:35 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:15 PM
Barium	7440-39-3	0.21		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:15 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:15 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:15 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:15 PM
Selenium	7782-49-2	0.36		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:15 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:15 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 6:04 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
Chlorobenzene	108-90-7	0.08		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/15/2009 6:37 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-6

Client Sample ID: Chlorinated II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Volatiles								
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:37 PM
Total Organic Carbon - Solid								
Total Organic Carbon		ND		wt%-dry	MSA 29-3.5.2	0.10	SU B	6/10/2009 2:17 PM
Total Organic Halides								
Total Organic Halides		55400		mg/kg	9023	25.0	S M	6/16/2009 12:41 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	93.87		mg/kg	8260B	4.000	I R	6/4/2009 5:23 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	4.000	I R	6/4/2009 5:23 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Chlorobenzene	108-90-7	1.695		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Chloroform	67-66-3	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	4.000	I R	6/4/2009 5:23 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.800	I R	6/4/2009 5:23 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	4.000	I R	6/4/2009 5:23 PM
Styrene	100-42-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Toluene	108-88-3	2.490		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-6

Sample Matrix: Solid

Client Sample ID: Chlorinated II

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.800	I R	6/4/2009 5:23 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.400	I R	6/4/2009 5:23 PM



 Akhter Mehmood
 Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:30 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-7

Client Sample ID: Chlorinated III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 4:37 PM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/11/2009 3:38 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Antimony	7440-36-0	77.7		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Arsenic	7440-38-2	63.5		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Barium	7440-39-3	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Calcium	7440-70-2	194.		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Copper	7440-50-8	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Iron	7439-89-6	137.		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Lead	7439-92-1	17.9		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Magnesium	7439-95-4	45.6		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Manganese	7439-96-5	326000		mg/kg	6010B	5.00	VR P	6/9/2009 1:18 PM
Nickel	7440-02-0	7.61		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Potassium	7440-09-7	80300		mg/kg	6010B	5.00	VR P	6/9/2009 1:18 AM
Selenium	7782-49-2	416.		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Silver	7440-22-4	97.0		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Sodium	7440-23-5	348.		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Vanadium	7440-62-2	6.36		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
Zinc	7440-66-6	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:08 AM
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082	20.0	C R	6/16/2009 11:42 AM
PCB-1221	11104-28-2	ND		mg/kg	8082	20.0	C R	6/16/2009 11:42 AM
PCB-1232	11141-16-5	ND		mg/kg	8082	20.0	C R	6/16/2009 11:42 AM
PCB-1242	53469-21-9	ND		mg/kg	8082	20.0	C R	6/16/2009 11:42 AM
PCB-1248	12672-29-6	ND		mg/kg	8082	20.0	C R	6/16/2009 11:42 AM
PCB-1254	11097-69-1	ND		mg/kg	8082	20.0	C R	6/16/2009 11:42 AM
PCB-1260	11096-82-5	ND		mg/kg	8082	20.0	C R	6/16/2009 11:42 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:30 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-7

Client Sample ID: Chlorinated III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH, Paper								
pH		1.0		S.U.	9041A		JL V	6/10/2009 11:49 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/16/2009 3:02 PM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	50.00	I R	6/5/2009 2:27 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	50.00	I R	6/5/2009 2:27 PM
Phenol	108-95-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Anthracene	120-12-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Carbazole	86-74-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:30 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-7

Sample Matrix: Oil

Client Sample ID: Chlorinated III

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Chrysene	218-01-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Fluorene	86-73-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	50.00	I R	6/5/2009 2:27 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Isophorone	78-59-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
Pyrene	129-00-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 2:27 PM

TCLP Mercury

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:30 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-7

Client Sample ID: Chlorinated III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:38 PM
TCLP Metals								
Arsenic	7440-38-2	62.2		mg/L	1311/6010B	0.05	S OT	6/16/2009 4:52 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 4:52 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 4:52 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 4:52 PM
Lead	7439-92-1	17.6		mg/L	1311/6010B	0.05	S OT	6/16/2009 4:52 PM
Selenium	7782-49-2	408.		mg/L	1311/6010B	0.05	S OT	6/16/2009 4:52 PM
Silver	7440-22-4	95.1		mg/L	1311/6010B	0.05	S OT	6/16/2009 4:52 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 2:27 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
Methyl Ethyl Ketone (MEK)	78-93-3	29.3		mg/L	1311/8260B	10.0	I R	6/4/2009 3:42 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:42 PM
Total Organic Carbon								
Total Organic Carbon		0.44		%	Total Organic Carbon	0.10	SU B	6/10/2009 2:17 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:30 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-7

Client Sample ID: Chlorinated III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		1000		mg/kg	9023	25.0	S M	6/16/2009 1:39 PM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 3:42 PM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
2-Butanone (MEK)	78-93-3	29.30		mg/kg	8260B	20.00	I R	6/4/2009 3:42 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 3:42 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 3:42 PM
Styrene	100-42-5	2.840		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Toluene	108-88-3	58.70		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 8:30 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-7

Client Sample ID: Chlorinated III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	4.000	I R	6/4/2009 3:42 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:42 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-8

Client Sample ID: Chlorinated VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 4:41 PM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/16/2009 4:35 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Antimony	7440-36-0	70.8		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Arsenic	7440-38-2	70.8		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Barium	7440-39-3	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Calcium	7440-70-2	456.		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Copper	7440-50-8	15.9		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Iron	7439-89-6	172.		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Lead	7439-92-1	24.0		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Magnesium	7439-95-4	22.7		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Manganese	7439-96-5	371000		mg/kg	6010B	5.00	VR P	6/9/2009 1:16 PM
Nickel	7440-02-0	8.85		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Potassium	7440-09-7	128000		mg/kg	6010B	5.00	VR P	6/9/2009 1:16 PM
Selenium	7782-49-2	458.		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Silver	7440-22-4	110.		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Sodium	7440-23-5	107.		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Vanadium	7440-62-2	7.82		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
Zinc	7440-66-6	186.		mg/kg	6010B	5.00	VR P	6/9/2009 9:12 PM
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082	20.0	C R	6/16/2009 12:03 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	20.0	C R	6/16/2009 12:03 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	20.0	C R	6/16/2009 12:03 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	20.0	C R	6/16/2009 12:03 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	20.0	C R	6/16/2009 12:03 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	20.0	C R	6/16/2009 12:03 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	20.0	C R	6/16/2009 12:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-8

Client Sample ID: Chlorinated VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH, Paper								
pH					9041A			
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	50.00	I R	6/17/2009 3:14 AM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	50.00	I R	6/17/2009 3:14 AM
Phenol	108-95-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Acenaphthene	83-32-9	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Anthracene	120-12-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Carbazole	86-74-8	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-8

Client Sample ID: Chlorinated VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Chrysene	218-01-9	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Fluoranthene	206-44-0	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Fluorene	86-73-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	50.00	I R	6/17/2009 3:14 AM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Isophorone	78-59-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2-Methylnaphthalene	91-57-6	73.10		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Naphthalene	91-20-3	48.50		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Phenanthrene	85-01-8	25.90		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
Pyrene	129-00-0	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	20.00	I R	6/17/2009 3:14 AM

TCLP Mercury

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-8

Client Sample ID: Chlorinated VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/16/2009 4:35 PM
TCLP Metals								
Arsenic	7440-38-2	89.6		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:02 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:02 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:02 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:02 PM
Lead	7439-92-1	30.4		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:02 PM
Selenium	7782-49-2	580.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:02 PM
Silver	7440-22-4	139.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:02 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
Pyridine	110-86-1	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	20.0	I R	6/17/2009 3:14 AM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
Chloroform	67-66-3	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	10.0	I R	6/4/2009 2:23 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 2:23 AM
Total Organic Carbon								
Total Organic Carbon		ND		%	Total Organic Carbon	0.10	SU B	6/10/2009 2:17 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-8

Client Sample ID: Chlorinated VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		13100		mg/kg	9023	25.0	S M	6/16/2009 3:38 PM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 2:23 AM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Bromomethane	74-83-9	16.00		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	20.00	I R	6/4/2009 2:23 AM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Ethylbenzene	100-41-4	15.30		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 2:23 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 2:23 AM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Toluene	108-88-3	32.00		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-8

Client Sample ID: Chlorinated VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,2-Dibromoethane (EDB)	106-93-4	6.240		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
m,p-Xylene	136777-61-2	52.80		mg/kg	8260B	4.000	I R	6/4/2009 2:23 AM
o-Xylene	95-47-6	24.40		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM
Bromochloromethane	74-97-5	36.70		mg/kg	8260B	2.000	I R	6/4/2009 2:23 AM

Unable to perform pH analysis due to sample matrix.



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:30 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-9

Client Sample ID: Chlorinated VIII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Ignitability								
Ignitability		No		Y/N	1030		JL V	6/1/2009 11:00 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 1:54 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	18.0		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Antimony	7440-36-0	38.8		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Barium	7440-39-3	2.43		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Cadmium	7440-43-9	16.2		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Calcium	7440-70-2	753.		mg/kg	6010B	12.5	VR P	6/5/2009 4:43 PM
Chromium	7440-47-3	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Copper	7440-50-8	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Iron	7439-89-6	3630		mg/kg	6010B	25.0	VR P	6/8/2009 9:42 AM
Lead	7439-92-1	1.77		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Magnesium	7439-95-4	141.		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Manganese	7439-96-5	21.2		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Potassium	7440-09-7	1100		mg/kg	6010B	125.	VR P	6/5/2009 4:43 PM
Selenium	7782-49-2	43.6		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Sodium	7440-23-5	26500		mg/kg	6010B	250.	VR P	6/5/2009 4:48 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:44 PM
Zinc	7440-66-6	339000		mg/kg	6010B	2500	VR P	6/8/2009 9:47 AM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	2.00	C R	6/8/2009 7:51 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	2.00	C R	6/8/2009 7:51 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	2.00	C R	6/8/2009 7:51 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	2.00	C R	6/8/2009 7:51 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	2.00	C R	6/8/2009 7:51 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	2.00	C R	6/8/2009 7:51 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	2.00	C R	6/8/2009 7:51 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:30 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-9

Sample Matrix: Solid

Client Sample ID: Chlorinated VIII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Percent Moisture/Percent Solid								
Total Moisture		7.93		%	2540G	0.10	A R	6/15/2009 4:00 PM
pH - non-aqueous								
Corrosivity (pH)		3.43		S.U.	9045D		JL V	6/16/2009 3:28 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	22.1		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2,4-Dimethylphenol	105-67-9	2.987		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	5.000	I R	6/4/2009 8:49 PM
2-Methylphenol	95-48-7	76.90		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	5.000	I R	6/4/2009 8:49 PM
Phenol	108-95-2	8.819		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Anthracene	120-12-7	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
bis (2-Ethylhexyl) phthalate	117-81-7	5.018		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:30 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-9

Sample Matrix: Solid

Client Sample ID: Chlorinated VIII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Carbazole	86-74-8	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Chrysene	218-01-9	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Fluorene	86-73-7	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	5.000	I R	6/4/2009 8:49 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Isophorone	78-59-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
Pyrene	129-00-0	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:30 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-9

Sample Matrix: Solid

Client Sample ID: Chlorinated VIII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
4-Methylphenol	106-44-5	6.234		mg/kg	8270C	2.000	I R	6/4/2009 8:49 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/17/2009 1:54 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:18 PM
Barium	7440-39-3	0.20		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:18 PM
Cadmium	7440-43-9	0.78		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:18 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:18 PM
Lead	7439-92-1	0.38		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:18 PM
Selenium	7782-49-2	1.57		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:18 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:18 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
2-Methylphenol	95-48-7	5.06	E	mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
3- & 4- Methylphenol	61379-65-5	0.70		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 2:31 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/15/2009 6:03 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:30 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-9

Sample Matrix: Solid

Client Sample ID: Chlorinated VIII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Volatiles								
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 6:03 PM
Total Organic Carbon - Solid								
Total Organic Carbon		ND		wt%-dry	MSA 29-3.5.2	0.10	SU B	6/10/2009 2:17 PM
Total Organic Halides								
Total Organic Halides		193000		mg/kg	9023	25.0	S M	6/16/2009 4:00 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	2.000	I R	6/5/2009 2:08 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	2.000	I R	6/5/2009 2:08 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Chloroform	67-66-3	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	2.000	I R	6/5/2009 2:08 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.400	I R	6/5/2009 2:08 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	2.000	I R	6/5/2009 2:08 PM
Styrene	100-42-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Toluene	108-88-3	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 8:30 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-9

Sample Matrix: Solid

Client Sample ID: Chlorinated VIII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.400	I R	6/5/2009 2:08 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.200	I R	6/5/2009 2:08 PM



 Akhter Mehmood
 Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:00 AM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Oil

Sample Type: Grab

Lab Sample #: 29955-10

Client Sample ID: Chlorinated IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/15/2009 8:57 AM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/16/2009 3:40 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Antimony	7440-36-0	91.4		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Arsenic	7440-38-2	39.0		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Barium	7440-39-3	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Calcium	7440-70-2	191.		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Copper	7440-50-8	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Iron	7439-89-6	136.		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Lead	7439-92-1	24.1		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Magnesium	7439-95-4	20.5		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Manganese	7439-96-5	582000		mg/kg	6010B	5.00	S OT	6/9/2009 10:58 AM
Nickel	7440-02-0	11.6		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Potassium	7440-09-7	366000		mg/kg	6010B	5.00	VR P	6/9/2009 10:58 AM
Selenium	7782-49-2	509.		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Silver	7440-22-4	130.		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Sodium	7440-23-5	128.		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Vanadium	7440-62-2	17.6		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
Zinc	7440-66-6	ND		mg/kg	6010B	5.00	VR P	6/5/2009 4:43 PM
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082	20.0	C R	6/16/2009 12:24 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	20.0	C R	6/16/2009 12:24 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	20.0	C R	6/16/2009 12:24 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	20.0	C R	6/16/2009 12:24 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	20.0	C R	6/16/2009 12:24 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	20.0	C R	6/16/2009 12:24 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	20.0	C R	6/16/2009 12:24 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-10

Client Sample ID: Chlorinated IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH, Paper								
pH		8.0		S.U.	9041A		JL V	6/10/2009 11:40 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	50.00	I R	6/5/2009 3:33 PM
2-Methylphenol	95-48-7	422.0		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	50.00	I R	6/5/2009 3:33 PM
Phenol	108-95-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Anthracene	120-12-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Carbazole	86-74-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-10

Client Sample ID: Chlorinated IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Chrysene	218-01-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Fluorene	86-73-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	50.00	I R	6/5/2009 3:33 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Isophorone	78-59-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
Pyrene	129-00-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM
4-Methylphenol	106-44-5	61.70		mg/kg	8270C	20.00	I R	6/5/2009 3:33 PM

TCLP Mercury

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-10

Client Sample ID: Chlorinated IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/16/2009 3:40 PM
TCLP Metals								
Arsenic	7440-38-2	39.8		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:13 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:13 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:13 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:13 PM
Lead	7439-92-1	24.6		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:13 PM
Selenium	7782-49-2	519.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:13 PM
Silver	7440-22-4	133.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:13 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
2-Methylphenol	95-48-7	422.		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
3- & 4- Methylphenol	61379-65-5	61.7		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 3:33 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	1.00	I R	6/4/2009 12:03 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 12:03 PM
Total Organic Carbon								
Total Organic Carbon		ND		%	Total Organic Carbon	0.10	SU B	6/10/2009 2:17 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-10

Client Sample ID: Chlorinated IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		210000		mg/kg	9023	2500	S M	6/17/2009 9:29 AM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 12:03 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 12:03 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Chloroform	67-66-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 12:03 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 12:03 PM
Styrene	100-42-5	0.911		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Toluene	108-88-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-10

Client Sample ID: Chlorinated IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.400	I R	6/4/2009 12:03 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:03 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-11

Client Sample ID: Chlorinated X

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/15/2009 1:38 PM
Mercury - Aqueous								
Mercury	7439-97-6	ND		ug/L	7470A	28.0	JL V	6/16/2009 10:05 AM
Metals (Target Analyte List) - aqueous								
Aluminum	7429-90-5	29400		ug/L	6010B	500.	VR P	6/12/2009 4:55 PM
Antimony	7440-36-0	2850		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Arsenic	7440-38-2	2330		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Barium	7440-39-3	4580		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Calcium	7440-70-2	1830000		ug/L	6010B	10000	VR P	6/12/2009 5:02 PM
Chromium	7440-47-3	291.		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Cobalt	7440-48-4	81.0		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Copper	7440-50-8	482.		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Iron	7439-89-6	62800		ug/L	6010B	500.	VR P	6/12/2009 4:55 PM
Lead	7439-92-1	3560		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Magnesium	7439-95-4	148000		ug/L	6010B	1250	VR P	6/12/2009 4:58 PM
Manganese	7439-96-5	1600		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Nickel	7440-02-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Potassium	7440-09-7	170000		ug/L	6010B	5000	VR P	6/12/2009 4:55 PM
Selenium	7782-49-2	1090		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Silver	7440-22-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Sodium	7440-23-5	252000		ug/L	6010B	1250	VR P	6/12/2009 4:58 PM
Thallium	7440-28-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Vanadium	7440-62-2	98.0		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
Zinc	7440-66-6	3030		ug/L	6010B	50.0	VR P	6/12/2009 11:37 AM
PCBs - Aqueous								
PCB-1016	12674-11-2	ND		ug/L	8082	20.0	C R	6/12/2009 2:49 PM
PCB-1221	11104-28-2	ND		ug/L	8082	20.0	C R	6/12/2009 2:49 PM
PCB-1232	11141-16-5	ND		ug/L	8082	20.0	C R	6/12/2009 2:49 PM
PCB-1242	53469-21-9	ND		ug/L	8082	20.0	C R	6/12/2009 2:49 PM
PCB-1248	12672-29-6	ND		ug/L	8082	20.0	C R	6/12/2009 2:49 PM
PCB-1254	11097-69-1	ND		ug/L	8082	20.0	C R	6/12/2009 2:49 PM
PCB-1260	11096-82-5	ND		ug/L	8082	20.0	C R	6/12/2009 2:49 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-11

Client Sample ID: Chlorinated X

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH, Paper								
pH		0.0		S.U.	9041A		JL V	6/10/2009 11:42 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	0.26		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,4-Dimethylphenol	105-67-9	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2-Methylphenol	95-48-7	5250		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Phenol	108-95-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Acenaphthene	83-32-9	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Acenaphthylene	208-96-8	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Anthracene	120-12-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,2'-Oxybis(1-Chloropropane)	540-54-5	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Carbazole	86-74-8	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:30 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-11

Sample Matrix: Unknown Liquid

Client Sample ID: Chlorinated X

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
2-Chloronaphthalene	91-58-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Chrysene	218-01-9	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Dibenzofuran	132-64-9	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Diethylphthalate	84-66-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Di-n-butylphthalate	84-74-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Di-n-octylphthalate	117-84-0	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Fluoranthene	206-44-0	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Fluorene	86-73-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	250.	I R	6/16/2009 8:46 PM
Hexachloroethane	67-72-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Isophorone	78-59-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2-Methylnaphthalene	91-57-6	670.		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Naphthalene	91-20-3	8200		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Nitrobenzene	98-95-3	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Phenanthrene	85-01-8	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
Pyrene	129-00-0	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM
4-Methylphenol	106-44-5	ND		ug/L	8270C	100.	I R	6/16/2009 8:46 PM

TCLP Mercury

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-11

Client Sample ID: Chlorinated X

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.028	JL V	6/16/2009 10:05 AM
TCLP Metals								
Arsenic	7440-38-2	2.33		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:37 AM
Barium	7440-39-3	4.58		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:37 AM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:37 AM
Chromium	7440-47-3	0.29		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:37 AM
Lead	7439-92-1	3.56		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:37 AM
Selenium	7782-49-2	1.09		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:37 AM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:37 AM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
2-Methylphenol	95-48-7	5.25		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 8:46 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	5.00	I R	6/2/2009 3:02 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:02 PM
Total Organic Carbon								
Total Organic Carbon		1.60		%	Total Organic Carbon	0.10	SU B	6/10/2009 2:17 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-11

Client Sample ID: Chlorinated X

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		2100		mg/kg	9023	25.0	S M	6/17/2009 9:40 AM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	92400		ug/L	8260B	10000	I R	6/2/2009 3:02 PM
Benzene	71-43-2	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Bromoform (Tribromomethane)	75-25-2	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Bromomethane	74-83-9	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
2-Butanone (MEK)	78-93-3	ND		ug/L	8260B	5000	I R	6/2/2009 3:02 PM
Carbon disulfide	75-15-0	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Chlorobenzene	108-90-7	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Chloroethane	75-00-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Chloroform	67-66-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,1-Dichloroethane	75-34-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Ethylbenzene	100-41-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
2-Hexanone	591-78-6	ND		ug/L	8260B	5000	I R	6/2/2009 3:02 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		ug/L	8260B	5000	I R	6/2/2009 3:02 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		ug/L	8260B	5000	I R	6/2/2009 3:02 PM
Styrene	100-42-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Toluene	108-88-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,1,1-Trichloroethane	71-55-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
o-Xylene	95-47-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-11

Client Sample ID: Chlorinated X

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Bromochloromethane	74-97-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
Tetrachloroethene (PCE)	127-18-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
m,p-Xylene	136777-61-2	ND		ug/L	8260B	2000	I R	6/2/2009 3:02 PM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM
1,2,3-Trichlorobenzene	87-61-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:02 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 1:00 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-12

Sample Matrix: Unknown Liquid

Client Sample ID: Chlorinated XI

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/15/2009 2:26 PM
Mercury - Aqueous								
Mercury	7439-97-6	14.0		ug/L	7470A	1.00	JL V	6/5/2009 11:14 AM
Metals (Target Analyte List) - aqueous								
Aluminum	7429-90-5	1910		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Antimony	7440-36-0	114.		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Arsenic	7440-38-2	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Barium	7440-39-3	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Calcium	7440-70-2	350.		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Chromium	7440-47-3	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Cobalt	7440-48-4	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Copper	7440-50-8	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Iron	7439-89-6	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Lead	7439-92-1	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Magnesium	7439-95-4	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Manganese	7439-96-5	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Nickel	7440-02-0	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Potassium	7440-09-7	673000		ug/L	6010B	10000	VR P	6/5/2009 11:21 PM
Selenium	7782-49-2	1640		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Silver	7440-22-4	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Sodium	7440-23-5	91699999		ug/L	6010B	100000 0	VR P	6/5/2009 11:52 AM
Thallium	7440-28-0	92.0		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Vanadium	7440-62-2	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
Zinc	7440-66-6	ND		ug/L	6010B	50.0	VR P	6/5/2009 11:14 PM
PCBs - Aqueous								
PCB-1016	12674-11-2	ND		ug/L	8082	20.0	C R	6/12/2009 3:11 PM
PCB-1221	11104-28-2	ND		ug/L	8082	20.0	C R	6/12/2009 3:11 PM
PCB-1232	11141-16-5	ND		ug/L	8082	20.0	C R	6/12/2009 3:11 PM
PCB-1242	53469-21-9	ND		ug/L	8082	20.0	C R	6/12/2009 3:11 PM
PCB-1248	12672-29-6	ND		ug/L	8082	20.0	C R	6/12/2009 3:11 PM
PCB-1254	11097-69-1	ND		ug/L	8082	20.0	C R	6/12/2009 3:11 PM
PCB-1260	11096-82-5	ND		ug/L	8082	20.0	C R	6/12/2009 3:11 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 1:00 PM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-12

Client Sample ID: Chlorinated XI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
pH, Paper								
pH		12.7		S.U.	9041A		JL V	6/15/2009 9:10 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,4-Dimethylphenol	105-67-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2-Methylphenol	95-48-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Phenol	108-95-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Acenaphthene	83-32-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Acenaphthylene	208-96-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Anthracene	120-12-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,2'-Oxybis(1-Chloropropane)	540-54-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Carbazole	86-74-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 1:00 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-12

Sample Matrix: Unknown Liquid

Client Sample ID: Chlorinated XI

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
4-Chloroaniline	106-47-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2-Chloronaphthalene	91-58-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Chrysene	218-01-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Dibenzofuran	132-64-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Diethylphthalate	84-66-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Di-n-butylphthalate	84-74-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Di-n-octylphthalate	117-84-0	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Fluoranthene	206-44-0	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Fluorene	86-73-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	50.0	I R	6/16/2009 11:18 AM
Hexachloroethane	67-72-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Isophorone	78-59-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2-Methylnaphthalene	91-57-6	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Naphthalene	91-20-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Nitrobenzene	98-95-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Phenanthrene	85-01-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
Pyrene	129-00-0	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM
4-Methylphenol	106-44-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:18 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 1:00 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-12

Sample Matrix: Unknown Liquid

Client Sample ID: Chlorinated XI

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	0.014		mg/L	1311/7470A	0.001	JL V	6/5/2009 11:14 AM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:14 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:14 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:14 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:14 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:14 PM
Selenium	7782-49-2	1.60		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:14 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S OT	6/5/2009 11:14 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:18 AM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/3/2009 12:15 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 12:15 PM

Total Organic Carbon - aqueous

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 1:00 PM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-12

Client Sample ID: Chlorinated XI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Carbon - aqueous								
Total Organic Carbon		ND		%	SM 5310 C	0.10	SU B	6/10/2009 2:17 PM
Total Organic Halides								
Total Organic Halides		1000		mg/kg	9023	25.0	S M	6/17/2009 10:27 AM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	ND		ug/L	8260B	100.	I R	6/3/2009 12:15 PM
Benzene	71-43-2	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Bromoform (Tribromomethane)	75-25-2	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Bromomethane	74-83-9	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
2-Butanone (MEK)	78-93-3	ND		ug/L	8260B	100.	I R	6/3/2009 12:15 PM
Carbon disulfide	75-15-0	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Chlorobenzene	108-90-7	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Chloroethane	75-00-3	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Chloroform	67-66-3	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,1-Dichloroethane	75-34-3	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Ethylbenzene	100-41-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
2-Hexanone	591-78-6	ND		ug/L	8260B	100.	I R	6/3/2009 12:15 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		ug/L	8260B	40.0	I R	6/3/2009 12:15 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		ug/L	8260B	100.	I R	6/3/2009 12:15 PM
Styrene	100-42-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Toluene	108-88-3	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,1,1-Trichloroethane	71-55-6	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
o-Xylene	95-47-6	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 1:00 PM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-12

Client Sample ID: Chlorinated XI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Bromochloromethane	74-97-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
Tetrachloroethene (PCE)	127-18-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
m,p-Xylene	136777-61-2	ND		ug/L	8260B	40.0	I R	6/3/2009 12:15 PM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM
1,2,3-Trichlorobenzene	87-61-6	ND		ug/L	8260B	20.0	I R	6/3/2009 12:15 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Oil

Sample Type: Grab

Lab Sample #: 29955-13

Client Sample ID: Oil I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/15/2009 3:10 PM
Heat of Combustion								
Heat of Combustion	BTU	22000		BTU/lb	ASTM/3286	500.	SU B	6/10/2009 3:34 PM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/16/2009 3:57 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Antimony	7440-36-0	50.2		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Arsenic	7440-38-2	16.9		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Barium	7440-39-3	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Calcium	7440-70-2	282.		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Copper	7440-50-8	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Iron	7439-89-6	42.7		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Lead	7439-92-1	8.25		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Magnesium	7439-95-4	22.4		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Manganese	7439-96-5	161000		mg/kg	6010B	5.00	VR P	6/9/2009 10:55 AM
Nickel	7440-02-0	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Potassium	7440-09-7	72700		mg/kg	6010B	5.00	VR P	6/9/2009 10:55 AM
Selenium	7782-49-2	268.		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Silver	7440-22-4	46.2		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Sodium	7440-23-5	108.		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
Zinc	7440-66-6	216.		mg/kg	6010B	5.00	VR P	6/8/2009 4:56 PM
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082	20.0	C R	6/16/2009 12:46 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	20.0	C R	6/16/2009 12:46 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	20.0	C R	6/16/2009 12:46 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	20.0	C R	6/16/2009 12:46 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	20.0	C R	6/16/2009 12:46 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-13

Client Sample ID: Oil I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1254	11097-69-1	ND		mg/kg	8082	20.0	C R	6/16/2009 12:46 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	20.0	C R	6/16/2009 12:46 PM
pH, Paper								
pH		12.		S.U.	9041A		JL V	6/10/2009 11:42 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	50.00	I R	6/5/2009 3:00 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	50.00	I R	6/5/2009 3:00 PM
Phenol	108-95-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Anthracene	120-12-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-13

Client Sample ID: Oil I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Carbazole	86-74-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Chrysene	218-01-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Fluorene	86-73-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	50.00	I R	6/5/2009 3:00 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Isophorone	78-59-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-13

Client Sample ID: Oil I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
Pyrene	129-00-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 3:00 PM
Total Organic Halides								
Total Organic Halides		146.		mg/kg	9023	25.0	S M	6/15/2009 10:41 AM
Total Volatile Solids								
Solids, Total Volatile		99.7		%	2540G	0.10	JL V	6/5/2009 3:00 PM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	3.230		mg/kg	8260B	2.000	I R	6/4/2009 1:15 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
2-Butanone (MEK)	78-93-3	13.74		mg/kg	8260B	2.000	I R	6/4/2009 1:15 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Chloroform	67-66-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Ethylbenzene	100-41-4	8.110		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:15 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 1:15 PM
Styrene	100-42-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Toluene	108-88-3	31.45		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-13

Client Sample ID: Oil I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
m,p-Xylene	136777-61-2	27.60		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
o-Xylene	95-47-6	4.670		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 1:15 PM



 Akhter Mehmood
 Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-14

Client Sample ID: Oil II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/16/2009 5:40 PM
Heat of Combustion								
Heat of Combustion	BTU	19400		BTU/lb	ASTM/3286	500.	SU B	6/10/2009 3:34 PM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/16/2009 3:59 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	751.		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Antimony	7440-36-0	93.8		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Arsenic	7440-38-2	33.2		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Barium	7440-39-3	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Calcium	7440-70-2	581.		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Copper	7440-50-8	5.36		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Iron	7439-89-6	92.2		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Lead	7439-92-1	22.3		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Magnesium	7439-95-4	6720		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Manganese	7439-96-5	342000		mg/kg	6010B	5.00	VR P	6/9/2009 11:32 AM
Nickel	7440-02-0	10.2		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Potassium	7440-09-7	110000		mg/kg	6010B	5.00	VR P	6/9/2009 11:32 AM
Selenium	7782-49-2	498.		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Silver	7440-22-4	112.		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Sodium	7440-23-5	785.		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Vanadium	7440-62-2	15.9		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
Zinc	7440-66-6	32.5		mg/kg	6010B	5.00	VR P	6/8/2009 5:00 PM
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082	20.0	C R	6/16/2009 1:07 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	20.0	C R	6/16/2009 1:07 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	20.0	C R	6/16/2009 1:07 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	20.0	C R	6/16/2009 1:07 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	20.0	C R	6/16/2009 1:07 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-14

Client Sample ID: Oil II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1254	11097-69-1	ND		mg/kg	8082	20.0	C R	6/16/2009 1:07 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	20.0	C R	6/16/2009 1:07 PM
pH, Paper								
pH					9041A			
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	500.0	I R	6/5/2009 8:03 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	500.0	I R	6/5/2009 8:03 PM
Phenol	108-95-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Anthracene	120-12-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
bis (2-Ethylhexyl) phthalate	117-81-7	2093.		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-14

Client Sample ID: Oil II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Carbazole	86-74-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Chrysene	218-01-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Fluorene	86-73-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	500.0	I R	6/5/2009 8:03 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Isophorone	78-59-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2-Methylnaphthalene	91-57-6	327.0		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-14

Client Sample ID: Oil II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
Pyrene	129-00-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 8:03 PM
Total Organic Halides								
Total Organic Halides		467.		mg/kg	9023	25.0	S M	6/15/2009 11:08 AM
Total Volatile Solids								
Solids, Total Volatile		97.8		%	2540G	0.10	JL V	6/5/2009 3:00 PM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	348.0		mg/kg	8260B	200.0	I R	6/4/2009 4:14 AM
Benzene	71-43-2	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Bromomethane	74-83-9	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	200.0	I R	6/4/2009 4:14 AM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Chloroethane	75-00-3	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Chloroform	67-66-3	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
2-Hexanone	591-78-6	ND		mg/kg	8260B	200.0	I R	6/4/2009 4:14 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	200.0	I R	6/4/2009 4:14 AM
Styrene	100-42-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Toluene	108-88-3	30.00		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-14

Client Sample ID: Oil II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
m,p-Xylene	136777-61-2	41.40		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
o-Xylene	95-47-6	20.10		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	20.00	I R	6/4/2009 4:14 AM

Unable to perform pH analysis due to sample matrix.



 Akhter Mehmood
 Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-15

Client Sample ID: Bases IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 10:35 PM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/16/2009 4:01 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	93.7		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Antimony	7440-36-0	110.		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Arsenic	7440-38-2	48.3		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Barium	7440-39-3	5.48		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Calcium	7440-70-2	248.		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Copper	7440-50-8	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Iron	7439-89-6	66.7		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Lead	7439-92-1	28.4		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Magnesium	7439-95-4	41.2		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Manganese	7439-96-5	672000		mg/kg	6010B	5.00	VR P	6/9/2009 11:40 AM
Nickel	7440-02-0	13.7		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Potassium	7440-09-7	481000		mg/kg	6010B	5.00	VR P	6/9/2009 11:40 AM
Selenium	7782-49-2	575.		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Silver	7440-22-4	193.		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Sodium	7440-23-5	287000		mg/kg	6010B	5000	VR P	6/9/2009 11:40 AM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Vanadium	7440-62-2	26.6		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
Zinc	7440-66-6	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:04 PM
pH, Paper								
pH					9041A			
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - Oil								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-15

Client Sample ID: Bases IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	50.00	I R	6/5/2009 5:44 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	50.00	I R	6/5/2009 5:44 PM
Phenol	108-95-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Anthracene	120-12-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Carbazole	86-74-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Chrysene	218-01-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
3,3'-Dichlorobenzidine	91-94-1	128.0		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-15

Client Sample ID: Bases IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Fluorene	86-73-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	50.00	I R	6/5/2009 5:44 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Isophorone	78-59-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
Pyrene	129-00-0	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	20.00	I R	6/5/2009 5:44 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/16/2009 4:01 PM
TCLP Metals								
Arsenic	7440-38-2	41.0		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:17 PM
Barium	7440-39-3	5.77		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:17 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:17 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:17 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-15

Client Sample ID: Bases IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Metals								
Lead	7439-92-1	25.4		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:17 PM
Selenium	7782-49-2	536.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:17 PM
Silver	7440-22-4	137.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:17 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	20.0	I R	6/5/2009 5:44 PM
TCLP Volatiles								
Benzene	71-43-2	0.40		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
Chlorobenzene	108-90-7	0.62		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	1.00	I R	6/4/2009 11:28 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.20	I R	6/4/2009 11:28 AM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 11:28 AM
Benzene	71-43-2	0.395		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 11:28 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-15

Client Sample ID: Bases IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Chlorobenzene	108-90-7	0.617		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Chloroform	67-66-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
2-Hexanone	591-78-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 11:28 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 11:28 AM
Styrene	100-42-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Toluene	108-88-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-15

Client Sample ID: Bases IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.400	I R	6/4/2009 11:28 AM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 11:28 AM

Unable to perform pH analysis due to sample matrix.



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-16

Client Sample ID: Bases V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Ignitability								
Ignitability		No		Y/N	1030		JL V	6/1/2009 11:00 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:43 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	8.48		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Antimony	7440-36-0	2.15		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Barium	7440-39-3	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Calcium	7440-70-2	16.7		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Chromium	7440-47-3	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Copper	7440-50-8	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Iron	7439-89-6	6340		mg/kg	6010B	62.5	VR P	6/5/2009 3:21 PM
Lead	7439-92-1	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Magnesium	7439-95-4	2.18		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Manganese	7439-96-5	10.3		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Potassium	7440-09-7	4140		mg/kg	6010B	250.	VR P	6/5/2009 3:10 PM
Selenium	7782-49-2	25.3		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Sodium	7440-23-5	237000		mg/kg	6010B	1250	VR P	6/5/2009 3:02 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Zinc	7440-66-6	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:02 PM
Percent Moisture/Percent Solid								
Total Moisture		5.92		%	2540G	0.10	A R	6/15/2009 4:00 PM
pH, Paper								
pH		13.6		S.U.	9041A		JL V	6/15/2009 9:14 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/16/2009 2:44 PM
Reactive Sulfide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-16

Client Sample ID: Bases V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/16/2009 3:02 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	0.500	I R	6/4/2009 7:44 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	0.500	I R	6/4/2009 7:44 PM
Phenol	108-95-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Anthracene	120-12-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Carbazole	86-74-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Chrysene	218-01-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-16

Client Sample ID: Bases V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Dibenzofuran	132-64-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Fluorene	86-73-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	0.500	I R	6/4/2009 7:44 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Isophorone	78-59-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
Pyrene	129-00-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 7:44 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 2:48 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/1992 2:08 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-16

Sample Matrix: Solid

Client Sample ID: Bases V

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Metals								
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/1992 2:08 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/1992 2:08 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/1992 2:08 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	VR P	6/9/1992 2:08 PM
Selenium	7782-49-2	0.76		mg/L	1311/6010B	0.05	VR P	6/9/1992 2:08 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/1992 2:08 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:27 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/15/2009 4:54 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 4:54 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	0.050	I R	6/2/2009 3:26 AM
Benzene	71-43-2	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-16

Client Sample ID: Bases V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	0.050	I R	6/2/2009 3:26 AM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Chloroform	67-66-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
2-Hexanone	591-78-6	ND		mg/kg	8260B	0.050	I R	6/2/2009 3:26 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.010	I R	6/2/2009 3:26 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	0.050	I R	6/2/2009 3:26 AM
Styrene	100-42-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Tetrachloroethene (PCE)	127-18-4	0.006		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Toluene	108-88-3	0.013		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/20/2009 9:00 AM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-16

Client Sample ID: Bases V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.010	I R	6/2/2009 3:26 AM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 3:26 AM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-17

Client Sample ID: Acid I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		30000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:09 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	3.31		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Antimony	7440-36-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Barium	7440-39-3	3.78		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Calcium	7440-70-2	11.0		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Chromium	7440-47-3	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Copper	7440-50-8	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Iron	7439-89-6	14.8		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Lead	7439-92-1	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Magnesium	7439-95-4	1.27		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Manganese	7439-96-5	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Potassium	7440-09-7	ND		mg/kg	6010B	12.5	A R	6/5/2009 3:51 PM
Selenium	7782-49-2	13.6		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Sodium	7440-23-5	1060		mg/kg	6010B	12.5	VR P	6/5/2009 5:01 PM
Thallium	7440-28-0	3.08		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Zinc	7440-66-6	2.10		mg/kg	6010B	1.25	A R	6/5/2009 3:51 PM
Percent Moisture/Percent Solid								
Solids, Total		83.9		%	2540G	0.10	A R	6/18/2009 12:00 PM
pH - non-aqueous								
Corrosivity (pH)					9045D			
Phosphorus, Total - non-aqueous								
Phosphorous, Total	7723-14-0	ND		mg/kg	365.3	500.	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:30 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-17

Sample Matrix: Solid

Client Sample ID: Acid I

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/17/2009 3:30 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	62.50	I R	6/17/2009 2:41 AM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	62.50	I R	6/17/2009 2:41 AM
Phenol	108-95-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Acenaphthene	83-32-9	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Anthracene	120-12-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Carbazole	86-74-8	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:30 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-17

Sample Matrix: Solid

Client Sample ID: Acid I

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Chrysene	218-01-9	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Fluoranthene	206-44-0	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Fluorene	86-73-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	62.50	I R	6/17/2009 2:41 AM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Isophorone	78-59-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Naphthalene	91-20-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Phenanthrene	85-01-8	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Pyrene	129-00-0	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	25.00	I R	6/17/2009 2:41 AM
Sulfide, Total - non-aqueous								
Sulfide, Total	18496-25-8	760.		mg/kg	9034	1.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:30 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-17

Sample Matrix: Solid

Client Sample ID: Acid I

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:04 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:52 PM
Barium	7440-39-3	0.08		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:52 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:52 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:52 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:52 PM
Selenium	7782-49-2	0.31		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:52 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:52 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	1.00	I R	6/16/2009 6:36 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/16/2009 1:05 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/16/2009 1:05 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-17

Client Sample ID: Acid I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		4700		mg/kg	9023	25.0	S M	6/15/2009 11:20 AM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	6/3/2009 11:57 PM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	20.00	I R	6/3/2009 11:57 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	6/3/2009 11:57 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	4.000	I R	6/3/2009 11:57 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	6/3/2009 11:57 PM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Toluene	108-88-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-17

Client Sample ID: Acid I

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	4.000	I R	6/3/2009 11:57 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 11:57 PM
Water Content (Karl Fischer)								
Water Content (Karl Fischer)		4.20		%	ASTM D1744	0.01	SU B	6/10/2009 4:38 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:00 PM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Unknown Liquid

Lab Sample #: 29955-18

Sample Type: Grab

Client Sample ID: Acid II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		>500000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 10:50 AM
Mercury - Aqueous								
Mercury	7439-97-6	ND		ug/L	7470A	14.0	JL V	6/16/2009 10:18 AM
Metals (Target Analyte List) - aqueous								
Aluminum	7429-90-5	652000		ug/L	6010B	5000	VR P	6/12/2009 5:05 PM
Antimony	7440-36-0	219.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Arsenic	7440-38-2	902.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Barium	7440-39-3	101.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Calcium	7440-70-2	18800		ug/L	6010B	250.	VR P	6/12/2009 5:11 PM
Chromium	7440-47-3	310.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Cobalt	7440-48-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Copper	7440-50-8	209.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Iron	7439-89-6	273000		ug/L	6010B	5000	VR P	6/12/2009 5:05 PM
Lead	7439-92-1	167.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Magnesium	7439-95-4	1940		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Manganese	7439-96-5	896.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Nickel	7440-02-0	316.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Potassium	7440-09-7	31500		ug/L	6010B	2500	VR P	6/12/2009 5:11 PM
Selenium	7782-49-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Silver	7440-22-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Sodium	7440-23-5	30800		ug/L	6010B	250.	VR P	6/12/2009 5:11 PM
Thallium	7440-28-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Vanadium	7440-62-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
Zinc	7440-66-6	632.		ug/L	6010B	50.0	VR P	6/12/2009 11:54 AM
pH, Paper								
pH		0.5		S.U.	9041A		JL V	6/15/2009 11:44 AM
Phosphorus, Total - aqueous								
Phosphorous, Total	7723-14-0	ND		ug/L	365.2	5000	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:00 PM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-18

Client Sample ID: Acid II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/17/2009 2:39 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,4-Dimethylphenol	105-67-9	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2-Methylphenol	95-48-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Phenol	108-95-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Acenaphthene	83-32-9	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Acenaphthylene	208-96-8	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Anthracene	120-12-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,2'-Oxybis(1-Chloropropane)	540-54-5	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Carbazole	86-74-8	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2-Chloronaphthalene	91-58-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:00 PM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-18

Client Sample ID: Acid II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
Chrysene	218-01-9	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Dibenzofuran	132-64-9	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Diethylphthalate	84-66-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Di-n-butylphthalate	84-74-2	45500		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Di-n-octylphthalate	117-84-0	40800		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Fluoranthene	206-44-0	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Fluorene	86-73-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	1250	I R	6/16/2009 8:13 PM
Hexachloroethane	67-72-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Isophorone	78-59-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2-Methylnaphthalene	91-57-6	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Naphthalene	91-20-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Nitrobenzene	98-95-3	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Phenanthrene	85-01-8	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Pyrene	129-00-0	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
4-Methylphenol	106-44-5	ND		ug/L	8270C	500.	I R	6/16/2009 8:13 PM
Sulfide, Total - aqueous								
Sulfide, Total	18496-25-8	ND		mg/L	376.1	2.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:00 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-18

Sample Matrix: Unknown Liquid

Client Sample ID: Acid II

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.014	JL V	6/16/2009 10:18 AM
TCLP Metals								
Arsenic	7440-38-2	0.90		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:54 AM
Barium	7440-39-3	0.10		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:54 AM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:54 AM
Chromium	7440-47-3	0.31		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:54 AM
Lead	7439-92-1	0.17		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:54 AM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:54 AM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:54 AM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.50	I R	6/16/2009 8:13 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	5.00	I R	6/2/2009 3:37 PM
Tetrachloroethene (PCE)	127-18-4	9150		mg/L	1311/8260B	15.0	I R	6/3/2009 10:45 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	1.00	I R	6/2/2009 3:37 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:00 PM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-18

Client Sample ID: Acid II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		23900		mg/kg	9023	2500	S M	6/15/2009 2:03 PM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	15500		ug/L	8260B	5000	I R	6/2/2009 3:37 PM
Benzene	71-43-2	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Bromoform (Tribromomethane)	75-25-2	2570		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Bromomethane	74-83-9	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
2-Butanone (MEK)	78-93-3	ND		ug/L	8260B	5000	I R	6/2/2009 3:37 PM
Carbon disulfide	75-15-0	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Chlorobenzene	108-90-7	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Chloroethane	75-00-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Chloroform	67-66-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,1-Dichloroethane	75-34-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Ethylbenzene	100-41-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
2-Hexanone	591-78-6	ND		ug/L	8260B	5000	I R	6/2/2009 3:37 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		ug/L	8260B	2000	I R	6/2/2009 3:37 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		ug/L	8260B	5000	I R	6/2/2009 3:37 PM
Styrene	100-42-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Toluene	108-88-3	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,1,1-Trichloroethane	71-55-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
o-Xylene	95-47-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 2:00 PM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-18

Client Sample ID: Acid II

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Bromochloromethane	74-97-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Tetrachloroethene (PCE)	127-18-4	9150000		ug/L	8260B	30000	I R	6/3/2009 10:45 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
m,p-Xylene	136777-61-2	ND		ug/L	8260B	2000	I R	6/2/2009 3:37 PM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
1,2,3-Trichlorobenzene	87-61-6	ND		ug/L	8260B	1000	I R	6/2/2009 3:37 PM
Water Content (Karl Fischer)								
Water Content (Karl Fischer)		4.60		%	ASTM D1744	0.01	SU B	6/10/2009 4:38 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 11:00 AM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Unknown Liquid

Lab Sample #: 29955-19

Sample Type: Grab

Client Sample ID: Acid III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		>500000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 3:50 PM
Mercury - Aqueous								
Mercury	7439-97-6	ND		ug/L	7470A	84.0	JL V	6/16/2009 10:21 AM
Metals (Target Analyte List) - aqueous								
Aluminum	7429-90-5	113.		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Antimony	7440-36-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Arsenic	7440-38-2	148.		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Barium	7440-39-3	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Calcium	7440-70-2	625.		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Chromium	7440-47-3	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Cobalt	7440-48-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Copper	7440-50-8	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Iron	7439-89-6	619.		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Lead	7439-92-1	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Magnesium	7439-95-4	116.		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Manganese	7439-96-5	88.0		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Nickel	7440-02-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Potassium	7440-09-7	433.		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Selenium	7782-49-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Silver	7440-22-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Sodium	7440-23-5	1230		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Thallium	7440-28-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Vanadium	7440-62-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
Zinc	7440-66-6	ND		ug/L	6010B	50.0	VR P	6/12/2009 11:58 AM
pH, Paper								
pH		0.0		S.U.	9041A		JL V	6/10/2009 11:45 AM
Phenolics, Total - Aqueous								
Phenolics, Total	64743-03-9	0.10		mg/L	9065	0.05	S M	6/17/2009 4:37 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 11:00 AM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-19

Sample Matrix: Unknown Liquid

Client Sample ID: Acid III

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/11/2009 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,4-Dimethylphenol	105-67-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2-Methylphenol	95-48-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Phenol	108-95-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Acenaphthene	83-32-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Acenaphthylene	208-96-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Anthracene	120-12-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,2'-Oxybis(1-Chloropropane)	540-54-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Carbazole	86-74-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2-Chloronaphthalene	91-58-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-19

Client Sample ID: Acid III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
Chrysene	218-01-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Dibenzofuran	132-64-9	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Diethylphthalate	84-66-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Di-n-butylphthalate	84-74-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Di-n-octylphthalate	117-84-0	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Fluoranthene	206-44-0	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Fluorene	86-73-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	50.0	I R	6/16/2009 11:50 AM
Hexachloroethane	67-72-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Isophorone	78-59-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2-Methylnaphthalene	91-57-6	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Naphthalene	91-20-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Nitrobenzene	98-95-3	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Phenanthrene	85-01-8	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Pyrene	129-00-0	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
4-Methylphenol	106-44-5	ND		ug/L	8270C	20.0	I R	6/16/2009 11:50 AM
Sulfide, Total - aqueous								
Sulfide, Total	18496-25-8	ND		mg/L	376.1	2.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-19

Client Sample ID: Acid III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.084	JL V	6/16/2009 10:21 AM
TCLP Metals								
Arsenic	7440-38-2	0.15		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:58 AM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:58 AM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:58 AM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:58 AM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:58 AM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:58 AM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 11:58 AM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 11:50 AM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	10.0	I R	6/3/2009 2:03 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 2:03 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-19

Client Sample ID: Acid III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		178.		mg/kg	9023	25.0	S M	6/15/2009 2:33 PM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	1060000		ug/L	8260B	10000	I R	6/3/2009 2:03 PM
Benzene	71-43-2	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Bromoform (Tribromomethane)	75-25-2	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Bromomethane	74-83-9	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
2-Butanone (MEK)	78-93-3	ND		ug/L	8260B	10000	I R	6/3/2009 2:03 PM
Carbon disulfide	75-15-0	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Chlorobenzene	108-90-7	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Chloroethane	75-00-3	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Chloroform	67-66-3	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,1-Dichloroethane	75-34-3	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Ethylbenzene	100-41-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
2-Hexanone	591-78-6	ND		ug/L	8260B	10000	I R	6/3/2009 2:03 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		ug/L	8260B	4000	I R	6/3/2009 2:03 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		ug/L	8260B	10000	I R	6/3/2009 2:03 PM
Styrene	100-42-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Toluene	108-88-3	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,1,1-Trichloroethane	71-55-6	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
o-Xylene	95-47-6	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-19

Client Sample ID: Acid III

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Bromochloromethane	74-97-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Tetrachloroethene (PCE)	127-18-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
m,p-Xylene	136777-61-2	ND		ug/L	8260B	4000	I R	6/3/2009 2:03 PM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
1,2,3-Trichlorobenzene	87-61-6	ND		ug/L	8260B	2000	I R	6/3/2009 2:03 PM
Water Content (Karl Fischer)								
Water Content (Karl Fischer)		4.90		%	ASTM D1744	0.01	SU B	6/10/2009 4:38 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-20

Client Sample ID: Acid IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		>500000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/17/2009 4:14 PM
Mercury - Aqueous								
Mercury	7439-97-6	5.08		ug/L	7470A	4.00	JL V	6/16/2009 10:29 AM
Metals (Target Analyte List) - aqueous								
Aluminum	7429-90-5	4440		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Antimony	7440-36-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Arsenic	7440-38-2	83.0		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Barium	7440-39-3	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Calcium	7440-70-2	7660		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Chromium	7440-47-3	2990		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Cobalt	7440-48-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Copper	7440-50-8	105.		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Iron	7439-89-6	18400		ug/L	6010B	100.	VR P	6/12/2009 6:00 PM
Lead	7439-92-1	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Magnesium	7439-95-4	2080		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Manganese	7439-96-5	474.		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Nickel	7440-02-0	1920		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Potassium	7440-09-7	519.		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Selenium	7782-49-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Silver	7440-22-4	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Sodium	7440-23-5	3540		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Thallium	7440-28-0	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Vanadium	7440-62-2	ND		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
Zinc	7440-66-6	894.		ug/L	6010B	50.0	VR P	6/12/2009 12:23 PM
pH, Paper								
pH		0.0		S.U.	9041A		JL V	6/10/2009 11:47 AM
Phosphorus, Total - aqueous								
Phosphorous, Total	7723-14-0	12800		ug/L	365.2	5000	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-20

Client Sample ID: Acid IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/11/2009 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2-Chlorophenol	95-57-8	172.		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,4-Dichlorophenol	120-83-2	91.7		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,4-Dimethylphenol	105-67-9	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2-Methylphenol	95-48-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Phenol	108-95-2	1720		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,4,6-Trichlorophenol	88-06-2	79.1		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Acenaphthene	83-32-9	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Acenaphthylene	208-96-8	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Anthracene	120-12-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,2'-Oxybis(1-Chloropropane)	540-54-5	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Carbazole	86-74-8	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2-Chloronaphthalene	91-58-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-20

Client Sample ID: Acid IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
Chrysene	218-01-9	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Dibenzofuran	132-64-9	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Diethylphthalate	84-66-2	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Di-n-butylphthalate	84-74-2	33.6		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Di-n-octylphthalate	117-84-0	39.8		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Fluoranthene	206-44-0	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Fluorene	86-73-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	50.0	I R	6/16/2009 12:23 PM
Hexachloroethane	67-72-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Isophorone	78-59-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2-Methylnaphthalene	91-57-6	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Naphthalene	91-20-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Nitrobenzene	98-95-3	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Phenanthrene	85-01-8	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Pyrene	129-00-0	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
4-Methylphenol	106-44-5	ND		ug/L	8270C	20.0	I R	6/16/2009 12:23 PM
Sulfide, Total - aqueous								
Sulfide, Total	18496-25-8	ND		mg/L	376.1	2.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-20

Client Sample ID: Acid IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	0.005		mg/L	1311/7470A	0.004	JL V	6/16/2009 10:29 AM
TCLP Metals								
Arsenic	7440-38-2	0.08		mg/L	1311/6010B	0.05	S OT	6/12/2009 12:26 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 12:26 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 12:26 PM
Chromium	7440-47-3	2.99		mg/L	1311/6010B	0.05	S OT	6/12/2009 12:26 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 12:26 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 12:26 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S OT	6/12/2009 12:26 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 12:23 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/3/2009 7:47 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/3/2009 7:47 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-20

Client Sample ID: Acid IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		290000		mg/kg	9023	2500	S M	6/15/2009 3:12 PM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	825.		ug/L	8260B	100.	I R	6/3/2009 7:47 PM
Benzene	71-43-2	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Bromoform (Tribromomethane)	75-25-2	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Bromomethane	74-83-9	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
2-Butanone (MEK)	78-93-3	ND		ug/L	8260B	100.	I R	6/3/2009 7:47 PM
Carbon disulfide	75-15-0	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Chlorobenzene	108-90-7	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Chloroethane	75-00-3	34.6		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Chloroform	67-66-3	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Chloromethane (Methyl Chloride)	74-87-3	9500		ug/L	8260B	100.	I R	6/4/2009 3:03 PM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,1-Dichloroethane	75-34-3	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,2-Dichloropropane	78-87-5	92.5		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Ethylbenzene	100-41-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
2-Hexanone	591-78-6	ND		ug/L	8260B	100.	I R	6/3/2009 7:47 PM
Methylene Chloride (Dichloromethane)	75-09-2	400.		ug/L	8260B	40.0	I R	6/3/2009 7:47 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		ug/L	8260B	100.	I R	6/3/2009 7:47 PM
Styrene	100-42-5	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Toluene	108-88-3	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,1,1-Trichloroethane	71-55-6	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
o-Xylene	95-47-6	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 9:30 AM

Sampled By: JM/DW

Sample Matrix: Unknown Liquid

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-20

Client Sample ID: Acid IV

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Bromochloromethane	74-97-5	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Tetrachloroethene (PCE)	127-18-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
m,p-Xylene	136777-61-2	ND		ug/L	8260B	40.0	I R	6/3/2009 7:47 PM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,2-Dichlorobenzene	95-50-1	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,2,4-Trichlorobenzene	120-82-1	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
1,2,3-Trichlorobenzene	87-61-6	ND		ug/L	8260B	20.0	I R	6/3/2009 7:47 PM
Water Content (Karl Fischer)								
Water Content (Karl Fischer)		70.0		%	ASTM D1744	0.01	SU B	6/10/2009 4:38 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-21

Client Sample ID: Acid V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity					2310 B			
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/1/2009 11:00 AM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/16/2009 4:03 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Antimony	7440-36-0	71.7		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Arsenic	7440-38-2	32.2		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Barium	7440-39-3	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Calcium	7440-70-2	172.		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Copper	7440-50-8	7.73		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Iron	7439-89-6	67.0		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Lead	7439-92-1	17.0		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Magnesium	7439-95-4	24.5		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Manganese	7439-96-5	399000		mg/kg	6010B	5.00	VR P	6/9/2009 1:37 PM
Nickel	7440-02-0	7.87		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Potassium	7440-09-7	82300		mg/kg	6010B	5.00	VR P	6/9/2009 1:37 PM
Selenium	7782-49-2	395.		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Silver	7440-22-4	92.8		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Sodium	7440-23-5	168.		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Vanadium	7440-62-2	11.6		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
Zinc	7440-66-6	ND		mg/kg	6010B	5.00	VR P	6/8/2009 5:08 PM
pH, Paper								
pH					9041A			
Phosphorus, Total - non-aqueous								
Phosphorous, Total	7723-14-0	ND		mg/kg	365.3	500.	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-21

Client Sample ID: Acid V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/11/2009 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	500.0	I R	6/5/2009 6:58 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	500.0	I R	6/5/2009 6:58 PM
Phenol	108-95-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Anthracene	120-12-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Carbazole	86-74-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-21

Client Sample ID: Acid V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
Chrysene	218-01-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Fluorene	86-73-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	500.0	I R	6/5/2009 6:58 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Isophorone	78-59-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Pyrene	129-00-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:58 PM
Sulfide, Total - non-aqueous								
Sulfide, Total	18496-25-8	ND		mg/kg	9034	1.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-21

Client Sample ID: Acid V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/16/2009 4:03 PM
TCLP Metals								
Arsenic	7440-38-2	31.3		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:52 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:52 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:52 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:52 PM
Lead	7439-92-1	16.5		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:52 PM
Selenium	7782-49-2	383.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:52 PM
Silver	7440-22-4	90.1		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:52 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:58 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
Chloroform	67-66-3	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	10.0	I R	6/4/2009 3:37 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	2.00	I R	6/4/2009 3:37 AM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-21

Client Sample ID: Acid V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		4640		mg/kg	9023	2500	S M	6/15/2009 4:12 PM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	23.90		mg/kg	8260B	20.00	I R	6/4/2009 3:37 AM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	20.00	I R	6/4/2009 3:37 AM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	6/4/2009 3:37 AM
Methylene Chloride (Dichloromethane)	75-09-2	52.80		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	6/4/2009 3:37 AM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Toluene	108-88-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 11:00 AM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-21

Client Sample ID: Acid V

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	4.000	I R	6/4/2009 3:37 AM
o-Xylene	95-47-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	6/4/2009 3:37 AM
Water Content (Karl Fischer)								
Water Content (Karl Fischer)		2.50		%	ASTM D1744	0.01	SU B	6/10/2009 4:38 PM

Unable to perform pH and Acidity analyses due to sample matrix.



 Akhter Mehmood
 Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 12:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-22

Client Sample ID: Acid VI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		205000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:07 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	13.6		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Antimony	7440-36-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Barium	7440-39-3	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Calcium	7440-70-2	51.0		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Chromium	7440-47-3	1.33		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Copper	7440-50-8	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Iron	7439-89-6	397.		mg/kg	6010B	2.50	VR P	6/5/2009 4:14 PM
Lead	7439-92-1	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Magnesium	7439-95-4	3.85		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Manganese	7439-96-5	2.49		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Potassium	7440-09-7	20.8		mg/kg	6010B	12.5	VR P	6/5/2009 3:25 PM
Selenium	7782-49-2	5.31		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Sodium	7440-23-5	70.8		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Zinc	7440-66-6	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:25 PM
Percent Moisture/Percent Solid								
Solids, Total		57.6		%	2540G	0.10	A R	6/18/2009 12:00 PM
pH, Paper								
pH					9041A			
Phosphorus, Total - non-aqueous								
Phosphorous, Total	7723-14-0	ND		mg/kg	365.3	500.	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 12:30 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-22

Sample Matrix: Solid

Client Sample ID: Acid VI

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/11/2009 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	25.00	I R	6/4/2009 9:56 PM
2-Methylphenol	95-48-7	311.0		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	25.00	I R	6/4/2009 9:56 PM
Phenol	108-95-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Anthracene	120-12-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Carbazole	86-74-8	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 12:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-22

Client Sample ID: Acid VI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Chrysene	218-01-9	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Fluorene	86-73-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	25.00	I R	6/4/2009 9:56 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Isophorone	78-59-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Pyrene	129-00-0	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	10.00	I R	6/4/2009 9:56 PM
Sulfide, Total - non-aqueous								
Sulfide, Total	18496-25-8	ND		mg/kg	9034	1.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 12:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-22

Client Sample ID: Acid VI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:06 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:55 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:55 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:55 PM
Chromium	7440-47-3	0.08		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:55 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:55 PM
Selenium	7782-49-2	0.30		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:55 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:55 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:41 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/11/2009 2:08 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/11/2009 2:08 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 12:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-22

Client Sample ID: Acid VI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		24700		mg/kg	9023	2500	S M	6/16/2009 10:14 AM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	6/3/2009 2:38 PM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	20.00	I R	6/3/2009 2:38 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	6/3/2009 2:38 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	4.000	I R	6/3/2009 2:38 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	6/3/2009 2:38 PM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Toluene	108-88-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 12:30 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-22

Client Sample ID: Acid VI

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	4.000	I R	6/3/2009 2:38 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 2:38 PM
Water Content (Karl Fischer)								
Water Content (Karl Fischer)		23.0		%	ASTM D1744	0.01	SU B	6/10/2009 4:38 PM

Unable to perform pH analysis due to sample matrix.



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-23

Client Sample ID: Acid VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		66000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:05 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	1340		mg/kg	6010B	12.5	VR P	6/5/2009 4:17 PM
Antimony	7440-36-0	2.55		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Barium	7440-39-3	8.37		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Calcium	7440-70-2	860.		mg/kg	6010B	12.5	VR P	6/5/2009 4:17 PM
Chromium	7440-47-3	6.88		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Copper	7440-50-8	5.35		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Iron	7439-89-6	3910		mg/kg	6010B	25.0	VR P	6/5/2009 4:20 PM
Lead	7439-92-1	2.57		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Magnesium	7439-95-4	1040		mg/kg	6010B	12.5	VR P	6/5/2009 4:17 PM
Manganese	7439-96-5	21.3		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Nickel	7440-02-0	1.88		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Potassium	7440-09-7	184.		mg/kg	6010B	12.5	VR P	6/5/2009 3:29 PM
Selenium	7782-49-2	28.4		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Sodium	7440-23-5	129.		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Vanadium	7440-62-2	3.86		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Zinc	7440-66-6	105.		mg/kg	6010B	1.25	VR P	6/5/2009 3:29 PM
Percent Moisture/Percent Solid								
Total Moisture		12.1		%	2540G	0.10	A R	6/15/2009 4:00 PM
pH, Paper								
pH		0.0		S.U.	9041A		JL V	6/15/2009 9:16 AM
Phosphorus, Total - non-aqueous								
Phosphorous, Total	7723-14-0	ND		mg/kg	365.3	500.	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-23

Client Sample ID: Acid VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/11/2009 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	0.500	I R	6/4/2009 8:16 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	0.500	I R	6/4/2009 8:16 PM
Phenol	108-95-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Pentachlorophenol	87-86-5	0.662		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Anthracene	120-12-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
bis (2-Ethylhexyl) phthalate	117-81-7	0.418		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Carbazole	86-74-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-23

Client Sample ID: Acid VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Chrysene	218-01-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Fluorene	86-73-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	0.500	I R	6/4/2009 8:16 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Isophorone	78-59-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Pyrene	129-00-0	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	0.200	I R	6/4/2009 8:16 PM
Sulfide, Total - non-aqueous								
Sulfide, Total	18496-25-8	ND		mg/kg	9034	1.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-23

Sample Matrix: Solid

Client Sample ID: Acid VII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:08 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:58 PM
Barium	7440-39-3	0.28		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:58 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:58 PM
Chromium	7440-47-3	0.37		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:58 PM
Lead	7439-92-1	0.06		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:58 PM
Selenium	7782-49-2	1.62		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:58 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 2:58 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 1:59 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/15/2009 5:28 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 5:28 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-23

Client Sample ID: Acid VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		366.		mg/kg	9023	25.0	S M	6/16/2009 10:23 AM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	128.6		mg/kg	8260B	2.000	I R	6/3/2009 9:33 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
2-Butanone (MEK)	78-93-3	1.280		mg/kg	8260B	0.050	I R	6/2/2009 4:02 AM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Chlorobenzene	108-90-7	0.006		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Chloroform	67-66-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Ethylbenzene	100-41-4	0.008		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
2-Hexanone	591-78-6	ND		mg/kg	8260B	0.050	I R	6/2/2009 4:02 AM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.020	I R	6/2/2009 4:02 AM
4-methyl-2-pentanone (MIBK)	108-10-1	0.060		mg/kg	8260B	0.050	I R	6/2/2009 4:02 AM
Styrene	100-42-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Tetrachloroethene (PCE)	127-18-4	0.028		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Toluene	108-88-3	0.033		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-23

Client Sample ID: Acid VII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
m,p-Xylene	136777-61-2	0.031		mg/kg	8260B	0.010	I R	6/2/2009 4:02 AM
o-Xylene	95-47-6	0.018		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.005	I R	6/2/2009 4:02 AM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Solid

Lab Sample #: 29955-24

Sample Type: Composite

Client Sample ID: Acid VIII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		78000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/17/2009 2:03 PM
Metals (Target Analyte List) - non-aqueous								
Aluminum	7429-90-5	39.5		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Antimony	7440-36-0	42.8		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Arsenic	7440-38-2	19.8		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Barium	7440-39-3	42.4		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Calcium	7440-70-2	158.		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Chromium	7440-47-3	15.1		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Copper	7440-50-8	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Iron	7439-89-6	252000		mg/kg	6010B	1250	VR P	6/8/2009 9:36 AM
Lead	7439-92-1	37.6		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Magnesium	7439-95-4	34.2		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Manganese	7439-96-5	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Nickel	7440-02-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Potassium	7440-09-7	39.7		mg/kg	6010B	12.5	A R	6/5/2009 3:33 PM
Selenium	7782-49-2	355.		mg/kg	6010B	1.25	VR P	6/5/2009 3:33 PM
Silver	7440-22-4	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Sodium	7440-23-5	187.		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Thallium	7440-28-0	ND		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Vanadium	7440-62-2	37.0		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Zinc	7440-66-6	157.		mg/kg	6010B	1.25	A R	6/5/2009 3:33 PM
Percent Moisture/Percent Solid								
Total Moisture		47.9		%	2540G	0.10	A R	6/15/2009 4:00 PM
pH, Paper								
pH		0.5		S.U.	9041A		S OT	6/15/2009 9:41 AM
Phosphorus, Total - non-aqueous								
Phosphorous, Total	7723-14-0	ND		mg/kg	365.3	500.	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-24

Sample Matrix: Solid

Client Sample ID: Acid VIII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/11/2009 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	5.000	I R	6/5/2009 10:43 AM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	5.000	I R	6/5/2009 10:43 AM
Phenol	108-95-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Acenaphthene	83-32-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Anthracene	120-12-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Carbazole	86-74-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Lab Project #: 29955

Sampled By: JM/DW

Lab Sample #: 29955-24

Sample Matrix: Solid

Client Sample ID: Acid VIII

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Chrysene	218-01-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Fluoranthene	206-44-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Fluorene	86-73-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	5.000	I R	6/5/2009 10:43 AM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Isophorone	78-59-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Naphthalene	91-20-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Phenanthrene	85-01-8	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Pyrene	129-00-0	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	2.000	I R	6/5/2009 10:43 AM
Sulfide, Total - non-aqueous								
Sulfide, Total	18496-25-8	ND		mg/kg	9034	1.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-24

Client Sample ID: Acid VIII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/11/2009 3:10 PM
TCLP Metals								
Arsenic	7440-38-2	1.00		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:01 PM
Barium	7440-39-3	0.69		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:01 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:01 PM
Chromium	7440-47-3	0.61		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:01 PM
Lead	7439-92-1	0.33		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:01 PM
Selenium	7782-49-2	1.91		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:01 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	VR P	6/9/2009 3:01 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	6/16/2009 7:08 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	6/15/2009 7:12 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	6/15/2009 7:12 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-24

Client Sample ID: Acid VIII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		1400		mg/kg	9023	25.0	S M	6/16/2009 10:32 AM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	26.39		mg/kg	8260B	2.000	I R	6/4/2009 12:39 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	2.000	I R	6/4/2009 12:39 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Chloroform	67-66-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Chloromethane (Methyl Chloride)	74-87-3	1.720		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	2.000	I R	6/4/2009 12:39 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.400	I R	6/4/2009 12:39 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	2.000	I R	6/4/2009 12:39 PM
Styrene	100-42-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Toluene	108-88-3	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/21/2009 4:00 PM

Sampled By: JM/DW

Sample Matrix: Solid

Sample Type: Composite

Lab Project #: 29955

Lab Sample #: 29955-24

Client Sample ID: Acid VIII

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	0.400	I R	6/4/2009 12:39 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.200	I R	6/4/2009 12:39 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 3:30 PM

Sampled By: JM/DW

Lab Project #: 29955

Sample Matrix: Oil

Sample Type: Grab

Lab Sample #: 29955-25

Client Sample ID: Acid IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Acidity								
Acidity		205000		mg/L	2310 B	1.00	JL V	6/16/2009 1:24 PM
Flashpoint								
Flashpoint		>60.		o C	1010		JL V	6/1/2009 11:00 AM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.05	JL V	6/16/2009 4:31 PM
Metals (Target Analyte List) - oil								
Aluminum	7429-90-5	9.22		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Antimony	7440-36-0	84.7		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Arsenic	7440-38-2	64.9		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Barium	7440-39-3	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Calcium	7440-70-2	170.		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Cobalt	7440-48-4	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Copper	7440-50-8	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Iron	7439-89-6	695.		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Lead	7439-92-1	18.1		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Magnesium	7439-95-4	23.2		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Manganese	7439-96-5	373000		mg/kg	6010B	5.00	VR P	6/9/2009 1:21 PM
Nickel	7440-02-0	7.39		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Potassium	7440-09-7	132000		mg/kg	6010B	5.00	VR P	6/9/2009 1:21 PM
Selenium	7782-49-2	436.		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Silver	7440-22-4	101.		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Sodium	7440-23-5	283.		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Vanadium	7440-62-2	5.86		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
Zinc	7440-66-6	ND		mg/kg	6010B	5.00	VR P	6/9/2009 8:59 AM
pH, Paper								
pH		1.5		S.U.	9041A		JL V	6/10/2009 11:48 AM
Phosphorus, Total - non-aqueous								
Phosphorous, Total	7723-14-0	ND		mg/kg	365.3	500.	JL V	6/17/2009 12:48 PM
Reactive Cyanide								

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 3:30 PM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-25

Client Sample ID: Acid IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	JL V	6/11/2009 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	JL V	6/10/2009 11:05 AM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2,4-Dimethylphenol	105-67-9	300.0		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	500.0	I R	6/5/2009 6:25 PM
2-Methylphenol	95-48-7	7910.		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	500.0	I R	6/5/2009 6:25 PM
Phenol	108-95-2	796.0		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Anthracene	120-12-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Carbazole	86-74-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 3:30 PM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-25

Client Sample ID: Acid IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
Chrysene	218-01-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Fluorene	86-73-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	500.0	I R	6/5/2009 6:25 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Isophorone	78-59-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Pyrene	129-00-0	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	200.0	I R	6/5/2009 6:25 PM
Sulfide, Total - non-aqueous								
Sulfide, Total	18496-25-8	ND		mg/kg	9034	1.00	JL V	6/10/2009 11:05 AM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 3:30 PM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-25

Client Sample ID: Acid IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	JL V	6/16/2009 4:31 PM
TCLP Metals								
Arsenic	7440-38-2	64.9		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:54 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:54 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:54 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:54 PM
Lead	7439-92-1	18.1		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:54 PM
Selenium	7782-49-2	436.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:54 PM
Silver	7440-22-4	101.		mg/L	1311/6010B	0.05	S OT	6/16/2009 5:54 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
2-Methylphenol	95-48-7	7910		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	200.	I R	6/5/2009 6:25 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	10.0	I R	6/3/2009 3:49 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	2.00	I R	6/3/2009 3:49 PM

Total Organic Halides

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 3:30 PM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-25

Client Sample ID: Acid IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Total Organic Halides								
Total Organic Halides		251.		mg/kg	9023	25.0	S M	6/16/2009 10:44 AM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	33.45		mg/kg	8260B	20.00	I R	6/3/2009 3:49 PM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	20.00	I R	6/3/2009 3:49 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	6/3/2009 3:49 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	6/3/2009 3:49 PM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Toluene	108-88-3	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM

ANALYTICAL REPORT

Project Name: Abrachem Chemical

Date Sampled: 5/27/2009 3:30 PM

Sampled By: JM/DW

Sample Matrix: Oil

Sample Type: Grab

Lab Project #: 29955

Lab Sample #: 29955-25

Client Sample ID: Acid IX

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	4.000	I R	6/3/2009 3:49 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	6/3/2009 3:49 PM
Water Content (Karl Fischer)								
Water Content (Karl Fischer)		3.50		%	ASTM D1744	0.01	SU B	6/10/2009 4:38 PM



Akhter Mehmood

Lab Director

ANALYTICAL REPORT

Methodology

All analyses are adapted from one or more of the following reference methods:

“Guidelines Establishing Test Procedures for the Analysis of Pollutants” Code of Federal Regulations, Vol. 40, Part 136
 “Test Methods for Evaluating Solid Waste”, SW846 Third Edition, September 1986, USEPA.
 Code of Federal Regulations Vol. 40, Part 261, “Appendix II Method 1311 Toxicity Characteristic Leaching Procedure.”
 Standard Methods for the Examination of Water and Wastewater”, 20th edition
 “Methods for the Chemical Analysis of Water and Wastes”, EPA600/4-79-020, March 1983, U.S. EPA, EMSL
 “Annual Book of Standards, Section 11-Water”, American Society for Testing and Materials (ASTM)
 “Methods for the Determination of Organic Compounds in Drinking Water”, EPA 600/4-88/039, December 1988

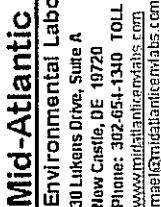
Qualifiers

B	Compound found in Method Blank	E	Estimated Concentration Outside Calibration Limits
		J	Compound detected below PQL, result estimated

Abbreviations

ppm	Parts Per Million (mg/kg or mg/L)	PQL	Practical Quantitation Level
ppb	Parts Per Billion (ug/kg or ug/L)	attached	Subcontract Lab Report Attached
g	gram (1000 g = 1Kg)	>	Greater than the PQL
kg	kilogram (1 kg - 1000 g)	<	Less than the PQL
mg	milligram (1000 mg = 1 g)	ND	Not Detected
mg/kg	milligram per kilogram (ppm)	NA	Not Applicable
ug/kg	microgram per kilogram (ppb)	NS	Not Spiked
ug	microgram (1000 ug = 1 mg)	NP	No PCB pattern detected
L	liter (1 L - 1000 mL)	NR	Not Requested
ml	milliliter (1000 ml = 1 L)	NI	Not Ignitable
ul	microliter (1000 ul = 1 ml)	NFL	No Free Liquid
mg/L	milligram per liter (ppm)	NTU	Nephelometric Turbidity Units
ug/L	microgram per liter (ppb)	S.U.	Standard Unit
ng/kg	nanogram per kilogram	RPD	Relative Percent Difference
BTU/lb	British Thermal Units per pound	RSD	Relative Standard Deviation
CFU/mL	Colony Forming Units per milliliter	MS/MSD	Matrix Spike/Matrix Spike Duplicate
MPN/100 ml	Most Probable Number per 100 mL	LCS	Laboratory Control Sample
mS/cm	milli Siemens per centimeter	BS	Blank Spike (Method Spike)
uS/cm	micro Siemens per centimeter	o F	degrees Fahrenheit
ug/sq cm	microgram per square centimeter	o C	degrees Celsius
ug/sq ft	microgram per square feet	umhos	Conductivity Units
ug/wipe	microgram per wipe	ohms	Resistivity Units

Note: All non-aqueous samples, with the exception of oils, wipes, and paint chips are dry weight corrected



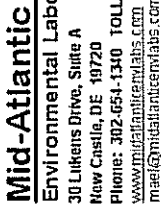
CHAIN OF CUSTODY

Job #_____

[illegible]

Bottles Supplied By MAEL? (Yes No)		Logged By:	5-25-09	QA Reviewed:	Page 2 of 6	
Relinquished By: [Signature]		Date: 5/29/09	Time: 1048	Received By: [Signature]	Date: 5/29/09	Time: 1048
Relinquished By: [Signature]		Date: 5/29/09	Time: 1pm	Received By: [Signature]	Date: 5-29-09	Time: [Signature]

All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all changes reasonably incurred in connection with analysis and reporting of these samples.



CHAIN OF CUSTODY

New Castle, DE 19720
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mael@midatlanticentlabs.com

#Job

29955

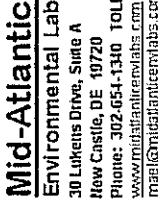
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All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all changes reasonably incurred in connection with analysis and reporting of these samples.

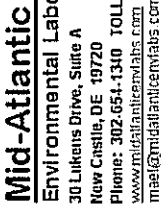


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உறுதிப்படுத்தப்பட்டது



Job # 4177

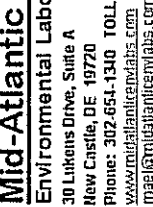


job

[illegible]

Bottles Supplied By MAEL?	Yes	No	Logged By:	Date:	Time:	Received By:	QA Reviewed:	Page 5 of 6
Relinquished By:				5/29/09	1048			Date: 5/29/09 Time: 1048
Relinquished By:				5/29/09	1048			Date: 5/29/09 Time: 1048

CE No. 07-0003
Date of completion:
2014 - 07-08-2014
CE No. 07-0003
Date of completion:
2014 - 07-08-2014
CE certification -
HD certification



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mael@midatlanticenvlabs.com

CHAIN OF CUSTODY

Job

2007

Client Name: Earth Tech/AECOM	Invoice To: Kimberly Alvestad	Sample On Ice <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Data Format Requested					Report Form:
Address: 4840 Cox Road	Purchase Order #: 09S-12655-RC05	Sample Disposal <input type="checkbox"/> Client <input checked="" type="checkbox"/> MAEL		<input type="checkbox"/> Results Only <input checked="" type="checkbox"/> PCR Package <input checked="" type="checkbox"/> NJRDD + Hazsite <input type="checkbox"/> NJFDD + Hazsite <input type="checkbox"/> MDE <input type="checkbox"/> Excel Summary					<input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-mail PDF <input type="checkbox"/> Portable <input type="checkbox"/> Post Only
City, State, Zip: Glen Allen, VA 23060	Project Name: Abrachem Chemical	Site Location <input checked="" type="checkbox"/> NJ <input type="checkbox"/> PA <input type="checkbox"/> DE <input type="checkbox"/> MD <input type="checkbox"/> Other							
	Bottle Order # Quote #								
Contact Name: Kimberly Alvestad	Regulatory Program <input type="checkbox"/> DERBCAP <input type="checkbox"/> PA UST <input type="checkbox"/> PA Clean Fill <input type="checkbox"/> PA ACT II <input type="checkbox"/> NJGWQC <input type="checkbox"/> NJ SRP <input type="checkbox"/> NJ UST <input type="checkbox"/> MDE <input type="checkbox"/> Site Specific <input type="checkbox"/> Non regulatory <input checked="" type="checkbox"/> Other (Specify): CERCLA/Superfund		Turn Around Time <input type="checkbox"/> <24 Hours (Same Day) <input type="checkbox"/> 24 Hours (Next Day) <input type="checkbox"/> 48 Hours (2 Days) <input type="checkbox"/> 72 Hours (3 Days) <input type="checkbox"/> 96 Hours (4 Days) <input checked="" type="checkbox"/> Standard (1 Week) <input type="checkbox"/> 2 Weeks <input type="checkbox"/> Other - Specify						
Phone # 804.515.8558								Total Solids	
Fax # 804.515.8305								Total Sulfide	
E-mail: Kimberly.Alvestad@aecom.com								Total Phosphorous	
Remarks: deleted 06-12-09 re: K. Alvestad (see attached)								Acidity Test	

[illegible]

Bottles Supplied By MAEL?		Yes	No	Logged By:	Date:	Time:	Received By:	QA Reviewed:	Page 6 of 6
Relinquished By:		<i>[Signature]</i>			Date:	5/29/09	Time:	1048	
Relinquished By:		<i>[Signature]</i>			Date:	5/29/09	Time:	100 pm	

All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all changes reasonably incurred in connection with analysis and reporting of these samples.