



REPORT OF ANALYSIS

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PO No:

Project Name: Oliver Plow Works

Report Date: 11/1/04
EIS Order No: **040900347**
EIS Sample No: 099431
EIS Project No: 2730-1000-04

Client Sample ID: **Black Paint**
Date Collected: 9/30/04
Date Received: 9/30/04
Collected By: L. Grauvogel


This report presents results of analysis for your sample(s) received under our Order No above. This Number is to be used in all inquiries concerning this report. The EIS Sample No above, as well as your Sample ID, refer to the first sample in a multi-sample submission

DEFINITIONS:

- MDL = Method Detection Limit normally achieved in the absence of interferences or other matrix difficulties.
- RDL = Reporting Detection Limit achieved in your sample. If numerically greater than the MDL, dilutions were required in order to perform the analysis. If numerically less than the MDL, alternate techniques were employed.
- nd = Not Detected at the RDL value. If present, result is less than this value.
- < = Not Detected at the numerical value shown. If present, result is less than this value.
- [] = Result is estimated due to matrix interferences or calibration curve exceedence.

CHAIN-OF-CUSTODY is enclosed if received with your sample submission.

DRINKING WATER CERTIFICATIONS: Chemistry = C-71-02 Bacteriology = M-76-5


QUALITY ASSURANCE OFFICER


LABORATORY DIRECTOR

The data in this report has been reviewed and complies with EIS Quality Control unless specifically addressed above.

SAMPLE RESULTS

CLIENT SAMPLE ID: Black Paint
 CLIENT PROJECT: Oliver Plow Works
 SAMPLE TYPE: Soil/Sludge/Solid
 Date Collected: 9/30/04

Report Date: 11/1/04
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Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
METALS							
Arsenic, Total	<10	mg/kg(wet)	10	10	10/7/04	E09	6010
Barium, Total	1970	mg/kg(wet)	10	1	10/7/04	E09	6010
Cadmium, Total	3.3	mg/kg(wet)	1	1	10/7/04	E09	6010
Chromium, Total	174	mg/kg(wet)	2	2	10/7/04	E09	6010
Lead, Total	788	mg/kg(wet)	5	5	10/7/04	E09	6010
Mercury, Total	<0.2	mg/kg(wet)	0.2	0.2	10/20/04	E09	7471
Selenium, Total	<10	mg/kg(wet)	10	10	10/7/04	E09	6010
Silver, Total	<1	mg/kg(wet)	1	1	10/7/04	E09	6010

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TCLP METALS							
Arsenic,TCLP	<0.1	mg/L	0.1	0.1	10/5/04	E09	6010
Barium,TCLP	3.06	mg/L	0.01	0.01	10/5/04	E09	6010
Cadmium,TCLP	<0.02	mg/L	0.02	0.02	10/5/04	E09	6010
Chromium,TCLP	<0.02	mg/L	0.02	0.02	10/5/04	E09	6010
Lead,TCLP	<0.05	mg/L	0.05	0.05	10/5/04	E09	6010
Mercury,TCLP	<0.001	mg/L	0.001	0.001	10/20/04	E09	7470
Selenium,TCLP	<0.1	mg/L	0.1	0.1	10/5/04	E09	6010
Silver,TCLP	<0.005	mg/L	0.005	0.005	10/5/04	E09	6010

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Page 4 of 6

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TCLP SEMIVOLATILES							
Cresol (meta) TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Cresol (ortho) TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Cresol (para) TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Dinitrotoluene (2,4) TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Hexachloro-1,3-butadiene, TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Hexachlorobenzene, TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Hexachloroethane, TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Nitrobenzene, TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Pentachlorophenol, TCLP	nd	mg/L	1	1	10/29/04	E01	8270 C
Pyridine, TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C
Total Cresols, TCLP	nd	mg/L	0.3	0.3	10/29/04	E01	8270 C
Trichlorophenol (2,4,5) TCLP	nd	mg/L	1	1	10/29/04	E01	8270 C
Trichlorophenol (2,4,6) TCLP	nd	mg/L	0.1	0.1	10/29/04	E01	8270 C

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Page 5 of 6

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Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
VOLATILE ORGANICS							
Acetone	nd	mg/kg(wet)	5	0.5	10/14/04	E04	8260 B
Benzene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Bromobenzene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Bromochloromethane	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Bromodichloromethane	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Bromoform	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Bromomethane	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Butylbenzene (normal)	630	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Butylbenzene (sec)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Butylbenzene (tert)	3000	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Carbon Tetrachloride	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Chlorobenzene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Chloroethane	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Chloroform	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Chloromethane	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Chlorotoluene (2)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Chlorotoluene (4)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Dibromochloromethane	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dibromoethane (1,2)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dibromomethane	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Dichlorobenzene (1,2)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichlorobenzene (1,3)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichlorobenzene (1,4)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichlorodifluoromethane	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichloroethane (1,1)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichloroethane (1,2)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichloroethene (1,1)	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Dichloroethene (c-1,2)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichloroethene (t-1,2)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Dichloropropane (1,2)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Dichloropropane (1,3)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Dichloropropane (2,2)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Dichloropropene (1,1)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Dichloropropene (c-1,3)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Dichloropropene (t-1,3)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Diethyl ether	nd	mg/kg(wet)	5	0.5	10/14/04	E04	8260 B
Ethylbenzene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B

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Page 6 of 6

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Hexachlorobutadiene	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Hexanone (2-)	nd	mg/kg(wet)	5	0.5	10/14/04	E04	8260 B
Isopropylbenzene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Isopropyltoluene (para)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/kg(wet)	5	0.5	10/14/04	E04	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/kg(wet)	5	0.5	10/14/04	E04	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Methylene chloride	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Naphthalene	750	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Propylbenzene (normal)	1670	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Styrene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Tetrachloroethene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Toluene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trichlorobenzene (1,2,3)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trichlorobenzene (1,2,4)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trichloroethane (1,1,1)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trichloroethane (1,1,2)	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trichloroethene	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trichlorofluoromethane	nd	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trichloropropane (1,2,3)	nd	mg/kg(wet)	2.5	0.25	10/14/04	E04	8260 B
Trimethylbenzene (1,2,4)	[15700]	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Trimethylbenzene (1,3,5)	[12560]	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Vinyl acetate	nd	mg/kg(wet)	5	0.5	10/14/04	E04	8260 B
Vinyl Chloride	nd	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B
Xylene (ortho)	1260	mg/kg(wet)	0.5	0.05	10/14/04	E04	8260 B
Xylenes (meta + para)	1880	mg/kg(wet)	1	0.1	10/14/04	E04	8260 B

SAMPLE PREPARATION INFORMATION

Client Name: Grauvogel & Associates
 Client Project: Oliver Plow Works

Report Date: 11/1/04
 EIS Order No: 040900347

EIS Lab Number	Client Description	Sample Date	Procedure	Result	Date Completed	Analyst	Method
099431	Black Paint	9/30/04	Digest Mercury	Complete	10/19/04	E09	7471
		9/30/04	Digest Mercury(TCLP Extract)	Complete	10/19/04	E09	7470
		9/30/04	Digest ICP Metals	Complete	10/7/04	E09	3050 B
		9/30/04	Digest ICP Metals(TCLP Extract)	Complete	10/5/04	E09	3005 A
		9/30/04	Extract SVOC(TCLP Extract)	Complete	10/19/04	E16	3510 C
		9/30/04	Extract VOC	Complete	10/6/04	E16	8260 B
		9/30/04	TCLP Extraction	Complete	10/4/04	E16	1311

QUALITY ASSURANCE / QUALITY CONTROL DATA
Method Specific Surrogate Compound Recoveries

EIS Order ID: 040900347

Normal Test	Surrogate	QUALITY CONTROL LIMITS			
		Methods		QC Limits	
		Water	Soil	Water	Soil
Herbicides	2,4-Dichlorophenylaceticacid(DCAA)	615 / 8151A / 8270C	8270C	15 - 135	
Pesticides / PCB	2,4,5,6-Tetrachloro-m-xylene(TCMX)	608 / 8081A / 8082 / 508	8082	22 - 145	40 - 150
Pesticides / PCB	Decachlorobiphenyl(DCB)	608 / 8081A / 508	8082	22 - 145	40 - 150
SOC (svoc)	Perylene, d12	525.2		30 - 140	
SVOC (acid)	2-Fluorophenol	625 / 8270C	8270C	21 - 100	25 - 121
SVOC (acid)	Phenol, d5	625 / 8270C	8270C	10 - 94	24 - 113
SVOC (base/neutral)	Nitrobenzene, d5	625 / 8270C	8270C	35 - 114	23 - 120
SVOC (base/neutral)	2-Fluorobiphenyl	625 / 8270C	8270C	43 - 116	30 - 115
SVOC (acid)	2,4,6-Tribromophenol	625 / 8270C	8270C	10 - 123	19 - 122
SVOC (base/neutral)	Terphenyl, d14	625 / 8270C	8270C	33 - 141	18 - 137
TPH	Styrene	8015M	8015M	30 - 90	34 - 90
VOC / BETX / TPH	1,2-Dichloroethane, d4	624 / 8260B / 524.2	8260B	70 - 130	70 - 130
VOC / BETX / TPH	Toluene, d8	624 / 8260B / 524.2	8260B	70 - 130	70 - 130
VOC / BETX / TPH	Bromofluorobenzene(BFB)	624 / 8260B / 524.2	8260B	70 - 130	70 - 130

EIS Lab No	Client Sample ID	Method	Matrix	Surrogate	%Recovery
099431	Black Paint	8260 B	Soil/Sludge/Solid	1,2-Dichloroethane-d4 (SS)	96
		8260 B	Soil/Sludge/Solid	4-Bromofluorobenzene (SS)	108
		8260 B	Soil/Sludge/Solid	Toluene-d8 (SS)	108
099431	Black Paint	8270 C	Soil/Sludge/Solid	2,4,6-Tribromophenol (SS)	124
		8270 C	Soil/Sludge/Solid	2-Fluorobiphenyl (SS)	61
		8270 C	Soil/Sludge/Solid	2-Fluorophenol (SS)	57
		8270 C	Soil/Sludge/Solid	Nitrobenzene-d5 (SS)	79
		8270 C	Soil/Sludge/Solid	Phenol-d5 (SS)	47
		8270 C	Soil/Sludge/Solid	Terphenyl-d14 (SS)	64

Legend: -1 = Surrogates diluted out -2 = Surrogates not used -999 = Interference in response area