Addendum

Missouri Department of Natural Resources
Environmental Services Program

Addendum

Reason: Reprinted by individual sample

Order ID 091021015 **Program, Contact:** ESP Tim Rielly

Report Date: 11/06/2009 **LDPR/JobCode:** FELZB / NPLOZBL1

Order Comment:

Sample: AB08620

Customer #: 0932048

Facility ID:
County:
Collector: LYNN MILBERG
Sample Comment: O-34

Site: Lake of the Ozarks Baseline Survey
Sample Reference ID:
Affiliation: ESP **Collect Date:** 10/21/2009 10:35:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
507/508	Alachlor	<0.25	ND,06	ug/L	1,818	507/508
507/508	Aldrin	<0.1	ND,06	ug/L	1,818	507/508
507/508	Arochlor 1016 (PCB-1016)	<0.25	ND	ug/L	1,818	507/508
507/508	Arochlor 1221 (PCB-1221)	<0.25	ND	ug/L	1,818	507/508
507/508	Arochlor 1232 (PCB-1232)	<0.25	ND	ug/L	1,818	507/508
507/508	Arochlor 1242 (PCB-1242)	<0.25	ND	ug/L	1,818	507/508
507/508	Arochlor 1248 (PCB-1248)	<0.25	ND	ug/L	1,818	507/508
507/508	Arochlor 1254 (PCB-1254)	<0.25	ND	ug/L	1,818	507/508
507/508	Arochlor 1260 (PCB-1260)	<0.25	ND	ug/L	1,818	507/508
507/508	Atrazine	<0.25	ND	ug/L	1,818	507/508
507/508	Butachlor	<0.25	ND	ug/L	1,818	507/508
507/508	Chlordane	<1	ND	ug/L	1,818	507/508
507/508	Cyanazine	<0.25	ND	ug/L	1,818	507/508
507/508	Dieldrin	<0.1	ND	ug/L	1,818	507/508
507/508	Endrin	<0.1	ND	ug/L	1,818	507/508
507/508	gamma-BHC (Lindane)	<0.1	ND	ug/L	1,818	507/508
507/508	Heptachlor	<0.1	ND	ug/L	1,818	507/508
507/508	Heptachlor Epoxide	<0.1	ND	ug/L	1,818	507/508
507/508	Hexachlorobenzene	<0.1	ND	ug/L	1,818	507/508
507/508	Hexachlorocyclopentadiene	<0.1	ND,06	ug/L	1,818	507/508
507/508	Methoxychlor	<0.1	ND	ug/L	1,818	507/508
507/508	Metolachlor	<0.25	ND	ug/L	1,818	507/508
507/508	Metribuzin	<0.25	ND	ug/L	1,818	507/508
507/508	Propachlor	<0.25	ND	ug/L	1,818	507/508
507/508	Simazine	<0.25	ND	ug/L	1,818	507/508
507/508	Toxaphene	<1	ND	ug/L	1,818	507/508

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507/508	Trifluralin	<1	ND	ug/L	1,818	507/508
Chloride	Chloride	4.78	05	mg/L	1,833	SM 4500-Cl-E
E. coli	E. coli	23.1		mpn/100ml		SM 9223B
Field Dissolved Oxygen	Field Dissolved Oxygen	7.20		mg/L		SM 4500-O-G
Field pH	Field pH	7.55		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	219.8 uS/cm				SM 2510
Field Temperature	Field Temperature	14.6 C				EPA 170.1
Non-Filterable Residue	Non-Filterable Residue	32.0		mg/L	1,781	SM 2540-D
Petroleum Fractions	TPH as Gasoline	<500	ND,06	ug/L	1,828	OA-2
Petroleum Fractions	TPH as Hydraulic Fluid	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as Jet Fuel	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as JP4	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as Kerosene	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as Mineral Spirits	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as No. 1 Diesel	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as No. 2 Diesel	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as No. 3 Diesel	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as No. 4 Diesel	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as No. 5 Diesel	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as No. 6 Diesel	<500	ND	ug/L	1,828	OA-2
Petroleum Fractions	TPH as Waste Oil	<500	ND	ug/L	1,828	OA-2
Total Alkalinity as CaCO3	Total Alkalinity as CaCO3	77.5		mg/L	1,824	SM 2320 B
Total Nitrogen	Total Nitrogen	0.84		mg/L	1,785	I-2650-03
Total Phosphorus	Total Phosphorus	0.10		mg/L	1,777	L 10-115-01-1-C
Turbidity-WQMS	Turbidity-WQMS	35.7		NTU		EPA 180.1
VOAs	1,1,1,2-Tetrachloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,1,1-Trichloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,1,2,2-Tetrachloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,1,2-Trichloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,1-Dichloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,1-Dichloroethene	<0.5	ND	ug/L	1,745	8260B
VOAs	1,1-Dichloropropanone	<1	ND	ug/L	1,745	8260B
VOAs	1,1-Dichloropropene	<0.5	ND	ug/L	1,745	8260B
VOAs	1,2,3-Trichlorobenzene	<2.5	ND	ug/L	1,745	8260B
VOAs	1,2,3-Trichloropropane	<0.5	ND	ug/L	1,745	8260B

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VOAs	1,2,4-Trichlorobenzene	<2.5	ND	ug/L	1,745	8260B
VOAs	1,2,4-Trimethylbenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	1,2-Dibromo-3-chloropropane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,2-Dibromoethane (EDB)	<0.5	ND	ug/L	1,745	8260B
VOAs	1,2-Dichlorobenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	1,2-Dichloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,2-Dichloropropane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,3,5-Trimethylbenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	1,3-Dichlorobenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	1,3-Dichloropropane	<0.5	ND	ug/L	1,745	8260B
VOAs	1,4-Dichlorobenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	1-Chorobutane	<0.5	ND	ug/L	1,745	8260B
VOAs	2,2-Dichloropropane	<0.5	ND	ug/L	1,745	8260B
VOAs	2-Butanone (MEK)	<2.5	ND	ug/L	1,745	8260B
VOAs	2-Chlorotoluene	<0.5	ND	ug/L	1,745	8260B
VOAs	2-Hexanone	<1	ND	ug/L	1,745	8260B
VOAs	2-Nitropropane	<0.5	ND	ug/L	1,745	8260B
VOAs	4-Chlorotoluene	<0.5	ND	ug/L	1,745	8260B
VOAs	4-Methyl-2-pentanone(MIBK)	<0.5	ND	ug/L	1,745	8260B
VOAs	acetone	<10	ND	ug/L	1,745	8260B
VOAs	Acrylonitrile	<1	ND	ug/L	1,745	8260B
VOAs	Allyl Chloride	<0.5	ND	ug/L	1,745	8260B
VOAs	Benzene	<0.5	ND	ug/L	1,745	8260B
VOAs	Bromobenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	Bromochloromethane	<0.5	ND	ug/L	1,745	8260B
VOAs	Bromodichloromethane	<0.5	ND	ug/L	1,745	8260B
VOAs	Bromoform	<0.5	ND	ug/L	1,745	8260B
VOAs	Bromomethane	<2.5	ND	ug/L	1,745	8260B
VOAs	carbon disulfide	<0.5	ND	ug/L	1,745	8260B
VOAs	Carbon Tetrachloride	<0.5	ND	ug/L	1,745	8260B
VOAs	Chloroacetonitrile	<12.5	ND	ug/L	1,745	8260B
VOAs	Chlorobenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	Chloroethane	<2.5	ND	ug/L	1,745	8260B
VOAs	Chloroform	<0.5	ND	ug/L	1,745	8260B
VOAs	Chloromethane	<12.5	ND	ug/L	1,745	8260B

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	cis-1,2-dichloroethene	<0.5	ND	ug/L	1,745	8260B
VOAs	cis-1,3-Dichloropropene	<0.5	ND	ug/L	1,745	8260B
VOAs	Dibromochloromethane	<0.5	ND	ug/L	1,745	8260B
VOAs	Dibromomethane	<0.5	ND	ug/L	1,745	8260B
VOAs	Dichlorodifluoromethane	<0.5	ND	ug/L	1,745	8260B
VOAs	Diethyl ether	<10	ND	ug/L	1,745	8260B
VOAs	Ethylbenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	Ethylmethacrylate	<0.5	ND	ug/L	1,745	8260B
VOAs	Hexachlorobutadiene	<1	ND	ug/L	1,745	8260B
VOAs	Hexachloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	Iodomethane	<2.5	ND	ug/L	1,745	8260B
VOAs	Isopropylbenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	m&p-Xylenes	<0.5	ND	ug/L	1,745	8260B
VOAs	Methacrylonitrile	<0.5	ND	ug/L	1,745	8260B
VOAs	Methyl Acrylate	<5	ND	ug/L	1,745	8260B
VOAs	Methylene chloride	<10	ND	ug/L	1,745	8260B
VOAs	Methylmethacrylate	<0.5	ND	ug/L	1,745	8260B
VOAs	Methyl-t-butyl ether	<0.5	ND	ug/L	1,745	8260B
VOAs	Naphthalene	<2.5	ND	ug/L	1,745	8260B
VOAs	n-Butylbenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	Nitrobenzene	<5	ND	ug/L	1,745	8260B
VOAs	n-Propylbenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	o-Xylene	<0.5	ND	ug/L	1,745	8260B
VOAs	Pentachloroethane	<0.5	ND	ug/L	1,745	8260B
VOAs	p-isopropyltoluene	<0.5	ND	ug/L	1,745	8260B
VOAs	Propionitrile	<10	ND	ug/L	1,745	8260B
VOAs	sec-Butylbenzene	<0.5	ND	ug/L	1,745	8260B
VOAs	Styrene	<0.5	ND	ug/L	1,745	8260B
VOAs	tert-Butylbenzene	<1	ND	ug/L	1,745	8260B
VOAs	Tetrachloroethene	<0.5	ND	ug/L	1,745	8260B
VOAs	Tetrahydrofuran	<2.5	ND	ug/L	1,745	8260B
VOAs	Toluene	<0.5	ND	ug/L	1,745	8260B
VOAs	Total Xylenes	<1	ND	ug/L	1,745	8260B
VOAs	trans-1,2-Dichloroethene	<0.5	ND	ug/L	1,745	8260B
VOAs	trans-1,3-Dichloropropene	<0.5	ND	ug/L	1,745	8260B

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Collect Date: 10/21/2009 10:35:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	trans-1,4-Dichloro-2-butene	<0.5	ND	ug/L	1,745	8260B
VOAs	Trichloroethene	<0.5	ND	ug/L	1,745	8260B
VOAs	Trichlorofluoromethane	<2.5	ND	ug/L	1,745	8260B
VOAs	Vinyl Chloride	<0.5	ND	ug/L	1,745	8260B

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S Environmental Protection Agency.

Chris Boldt

Chris Boldt, Laboratory Manager
Environmental Services Program
Field Services Division

Qualifier Descriptions

01 Improper collection method
02 Improper preservation
03 Exceeded holding time
04 Analyzed by Contract Laboratory
05 Estimated value, detected below PQL
06 Estimated value, QC data outside limits
07 Estimated value, analyte outside calibration range
08 Analyte present in blank at > 1/2 reported value
09 Sample was diluted during analysis
10 Laboratory error
11 Estimated value, matrix interference
12 Insufficient quantity
13 Estimated value, true result is > reported value
14 Estimated value, non-homogeneous sample
15 No Result - Failed Quality Controls Requirements
16 Not analyzed - related analyte not detected
17 Results in dry weight
18 Sample pH is outside the acceptable range
19 Estimated value
20 Not analyzed - Instrument failure
21 No result - spectral interference
22 pH was performed at the Laboratory
ND Not detected at reported value