Addendum

Missouri Department of Natural Resources
Environmental Services Program

Addendum

Reason: Reprinted by individual sample

Order ID 091021003 **Program, Contact:** ESP Tim Rielly

Report Date: 11/04/2009 **LDPR/JobCode:** FELZB

Order Comment:

Sample: AB08289

Customer #: 0932047

Facility ID:
County:
Collector: LYNN MILBERG
Sample Comment: O-30

Site: Lake of the Ozarks Baseline Survey
Sample Reference ID:
Affiliation: ESP **Collect Date:** 10/20/2009 12:15:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
507/508	Alachlor	<0.25	ND,06	ug/L	1,816	507/508
507/508	Aldrin	<0.1	ND,06	ug/L	1,816	507/508
507/508	Arochlor 1016 (PCB-1016)	<0.25	ND	ug/L	1,816	507/508
507/508	Arochlor 1221 (PCB-1221)	<0.25	ND	ug/L	1,816	507/508
507/508	Arochlor 1232 (PCB-1232)	<0.25	ND	ug/L	1,816	507/508
507/508	Arochlor 1242 (PCB-1242)	<0.25	ND	ug/L	1,816	507/508
507/508	Arochlor 1248 (PCB-1248)	<0.25	ND	ug/L	1,816	507/508
507/508	Arochlor 1254 (PCB-1254)	<0.25	ND	ug/L	1,816	507/508
507/508	Arochlor 1260 (PCB-1260)	<0.25	ND	ug/L	1,816	507/508
507/508	Atrazine	<0.25	ND	ug/L	1,816	507/508
507/508	Butachlor	<0.25	ND	ug/L	1,816	507/508
507/508	Chlordane	<1	ND	ug/L	1,816	507/508
507/508	Cyanazine	<0.25	ND	ug/L	1,816	507/508
507/508	Dieldrin	<0.1	ND	ug/L	1,816	507/508
507/508	Endrin	<0.1	ND	ug/L	1,816	507/508
507/508	gamma-BHC (Lindane)	<0.1	ND	ug/L	1,816	507/508
507/508	Heptachlor	<0.1	ND	ug/L	1,816	507/508
507/508	Heptachlor Epoxide	<0.1	ND	ug/L	1,816	507/508
507/508	Hexachlorobenzene	<0.1	ND	ug/L	1,816	507/508
507/508	Hexachlorocyclopentadiene	<0.1	ND,06	ug/L	1,816	507/508
507/508	Methoxychlor	<0.1	ND	ug/L	1,816	507/508
507/508	Metolachlor	<0.25	ND	ug/L	1,816	507/508
507/508	Metribuzin	<0.25	ND	ug/L	1,816	507/508
507/508	Propachlor	<0.25	ND	ug/L	1,816	507/508
507/508	Simazine	<0.25	ND	ug/L	1,816	507/508
507/508	Toxaphene	<1	ND	ug/L	1,816	507/508

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507/508	Trifluralin	<1	ND,06	ug/L	1,816	507/508
Chloride	Chloride	4.81	05	mg/L	1,833	SM 4500-Cl-E
E. coli	E. coli	21.3		mpn/100ml		SM 9223B
Field Dissolved Oxygen	Field Dissolved Oxygen	7.20		mg/L		SM 4500-O-G
Field pH	Field pH	7.61		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	232 uS/cm				SM 2510
Field Temperature	Field Temperature	14.8 C				EPA 170.1
Non-Filterable Residue	Non-Filterable Residue	30.0		mg/L	1,780	SM 2540-D
Petroleum Fractions	TPH as Gasoline	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as Hydraulic Fluid	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as Jet Fuel	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as JP4	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as Kerosene	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as Mineral Spirits	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as No. 1 Diesel	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as No. 2 Diesel	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as No. 3 Diesel	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as No. 4 Diesel	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as No. 5 Diesel	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as No. 6 Diesel	<500	ND	ug/L	1,840	OA-2
Petroleum Fractions	TPH as Waste Oil	<500	ND	ug/L	1,840	OA-2
Total Alkalinity as CaCO3	Total Alkalinity as CaCO3	85.3		mg/L	1,824	SM 2320 B
Total Nitrogen	Total Nitrogen	0.74		mg/L	1,785	I-2650-03
Total Phosphorus	Total Phosphorus	0.09		mg/L	1,777	L 10-115-01-1-C
Turbidity-WQMS	Turbidity-WQMS	37.6		NTU		EPA 180.1
VOAs	1,1,1,2-Tetrachloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,1,1-Trichloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,1,2,2-Tetrachloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,1,2-Trichloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,1-Dichloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,1-Dichloroethene	<0.5	ND	ug/L	1,732	8260B
VOAs	1,1-Dichloropropanone	<1	ND	ug/L	1,732	8260B
VOAs	1,1-Dichloropropene	<0.5	ND	ug/L	1,732	8260B
VOAs	1,2,3-Trichlorobenzene	<2.5	ND	ug/L	1,732	8260B
VOAs	1,2,3-Trichloropropane	<0.5	ND	ug/L	1,732	8260B

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VOAs	1,2,4-Trichlorobenzene	<2.5	ND	ug/L	1,732	8260B
VOAs	1,2,4-Trimethylbenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	1,2-Dibromo-3-chloropropane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,2-Dibromoethane (EDB)	<0.5	ND	ug/L	1,732	8260B
VOAs	1,2-Dichlorobenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	1,2-Dichloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,2-Dichloropropane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,3,5-Trimethylbenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	1,3-Dichlorobenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	1,3-Dichloropropane	<0.5	ND	ug/L	1,732	8260B
VOAs	1,4-Dichlorobenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	1-Chorobutane	<0.5	ND	ug/L	1,732	8260B
VOAs	2,2-Dichloropropane	<0.5	ND	ug/L	1,732	8260B
VOAs	2-Butanone (MEK)	<2.5	ND	ug/L	1,732	8260B
VOAs	2-Chlorotoluene	<0.5	ND	ug/L	1,732	8260B
VOAs	2-Hexanone	<1	ND	ug/L	1,732	8260B
VOAs	2-Nitropropane	<0.5	ND	ug/L	1,732	8260B
VOAs	4-Chlorotoluene	<0.5	ND	ug/L	1,732	8260B
VOAs	4-Methyl-2-pentanone(MIBK)	<0.5	ND	ug/L	1,732	8260B
VOAs	acetone	<10	ND	ug/L	1,732	8260B
VOAs	Acrylonitrile	<1	ND	ug/L	1,732	8260B
VOAs	Allyl Chloride	<0.5	ND	ug/L	1,732	8260B
VOAs	Benzene	<0.5	ND	ug/L	1,732	8260B
VOAs	Bromobenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	Bromochloromethane	<0.5	ND	ug/L	1,732	8260B
VOAs	Bromodichloromethane	<0.5	ND	ug/L	1,732	8260B
VOAs	Bromoform	<0.5	ND	ug/L	1,732	8260B
VOAs	Bromomethane	<2.5	ND	ug/L	1,732	8260B
VOAs	carbon disulfide	<0.5	ND	ug/L	1,732	8260B
VOAs	Carbon Tetrachloride	<0.5	ND	ug/L	1,732	8260B
VOAs	Chloroacetonitrile	<12.5	ND	ug/L	1,732	8260B
VOAs	Chlorobenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	Chloroethane	<2.5	ND	ug/L	1,732	8260B
VOAs	Chloroform	<0.5	ND	ug/L	1,732	8260B
VOAs	Chloromethane	<12.5	ND	ug/L	1,732	8260B

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VOAs	cis-1,2-dichloroethene	<0.5	ND	ug/L	1,732	8260B
VOAs	cis-1,3-Dichloropropene	<0.5	ND	ug/L	1,732	8260B
VOAs	Dibromochloromethane	<0.5	ND	ug/L	1,732	8260B
VOAs	Dibromomethane	<0.5	ND	ug/L	1,732	8260B
VOAs	Dichlorodifluoromethane	<0.5	ND	ug/L	1,732	8260B
VOAs	Diethyl ether	<10	ND	ug/L	1,732	8260B
VOAs	Ethylbenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	Ethylmethacrylate	<0.5	ND	ug/L	1,732	8260B
VOAs	Hexachlorobutadiene	<1	ND	ug/L	1,732	8260B
VOAs	Hexachloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	Iodomethane	<2.5	ND	ug/L	1,732	8260B
VOAs	Isopropylbenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	m&p-Xylenes	<0.5	ND	ug/L	1,732	8260B
VOAs	Methacrylonitrile	<0.5	ND	ug/L	1,732	8260B
VOAs	Methyl Acrylate	<5	ND	ug/L	1,732	8260B
VOAs	Methylene chloride	<10	ND	ug/L	1,732	8260B
VOAs	Methylmethacrylate	<0.5	ND	ug/L	1,732	8260B
VOAs	Methyl-t-butyl ether	<0.5	ND	ug/L	1,732	8260B
VOAs	Naphthalene	<2.5	ND	ug/L	1,732	8260B
VOAs	n-Butylbenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	Nitrobenzene	<5	ND	ug/L	1,732	8260B
VOAs	n-Propylbenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	o-Xylene	<0.5	ND	ug/L	1,732	8260B
VOAs	Pentachloroethane	<0.5	ND	ug/L	1,732	8260B
VOAs	p-isopropyltoluene	<0.5	ND	ug/L	1,732	8260B
VOAs	Propionitrile	<10	ND	ug/L	1,732	8260B
VOAs	sec-Butylbenzene	<0.5	ND	ug/L	1,732	8260B
VOAs	Styrene	<0.5	ND	ug/L	1,732	8260B
VOAs	tert-Butylbenzene	<1	ND	ug/L	1,732	8260B
VOAs	Tetrachloroethene	<0.5	ND	ug/L	1,732	8260B
VOAs	Tetrahydrofuran	<2.5	ND	ug/L	1,732	8260B
VOAs	Toluene	<0.5	ND	ug/L	1,732	8260B
VOAs	Total Xylenes	<1	ND	ug/L	1,732	8260B
VOAs	trans-1,2-Dichloroethene	<0.5	ND	ug/L	1,732	8260B
VOAs	trans-1,3-Dichloropropene	<0.5	ND	ug/L	1,732	8260B

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	trans-1,4-Dichloro-2-butene	<0.5	ND	ug/L	1,732	8260B
VOAs	Trichloroethene	<0.5	ND	ug/L	1,732	8260B
VOAs	Trichlorofluoromethane	<2.5	ND	ug/L	1,732	8260B
VOAs	Vinyl Chloride	<0.5	ND	ug/L	1,732	8260B

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

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