Addendum

Missouri Department of Natural Resources
Environmental Services Program

Addendum

Reason: Reprinted by individual sample

Order ID 091013014 **Program, Contact:** ESP Tim Rielly

Report Date: 11/03/2009 **LDPR/JobCode:** FELZB / NPLOZBL1

Order Comment:

Sample: AB08018

Customer #: 0932023

Facility ID:
County:
Collector: MICHAEL GIOVANINI
Sample Comment: O-13

Site: Lake of the Ozarks Baseline Survey
Sample Reference ID:
Affiliation: ESP **Collect Date:** 10/13/2009 10:35:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
507/508	Alachlor	<0.25	ND	ug/L	1,675	507/508
507/508	Aldrin	<0.1	ND,06	ug/L	1,675	507/508
507/508	Arochlor 1016 (PCB-1016)	<0.25	ND	ug/L	1,675	507/508
507/508	Arochlor 1221 (PCB-1221)	<0.25	ND	ug/L	1,675	507/508
507/508	Arochlor 1232 (PCB-1232)	<0.25	ND	ug/L	1,675	507/508
507/508	Arochlor 1242 (PCB-1242)	<0.25	ND	ug/L	1,675	507/508
507/508	Arochlor 1248 (PCB-1248)	<0.25	ND	ug/L	1,675	507/508
507/508	Arochlor 1254 (PCB-1254)	<0.25	ND	ug/L	1,675	507/508
507/508	Arochlor 1260 (PCB-1260)	<0.25	ND	ug/L	1,675	507/508
507/508	Atrazine	0.47	05	ug/L	1,675	507/508
507/508	Butachlor	<0.25	ND	ug/L	1,675	507/508
507/508	Chlordane	<1	ND	ug/L	1,675	507/508
507/508	Cyanazine	<0.25	ND	ug/L	1,675	507/508
507/508	Dieldrin	<0.1	ND	ug/L	1,675	507/508
507/508	Endrin	<0.1	ND	ug/L	1,675	507/508
507/508	gamma-BHC (Lindane)	<0.1	ND	ug/L	1,675	507/508
507/508	Heptachlor	<0.1	ND,06	ug/L	1,675	507/508
507/508	Heptachlor Epoxide	<0.1	ND	ug/L	1,675	507/508
507/508	Hexachlorobenzene	<0.1	ND,06	ug/L	1,675	507/508
507/508	Hexachlorocyclopentadiene	<0.1	ND,06	ug/L	1,675	507/508
507/508	Methoxychlor	<0.1	ND,06	ug/L	1,675	507/508
507/508	Metolachlor	<0.25	ND	ug/L	1,675	507/508
507/508	Metribuzin	<0.25	ND	ug/L	1,675	507/508
507/508	Propachlor	<0.25	ND	ug/L	1,675	507/508
507/508	Simazine	<0.25	ND	ug/L	1,675	507/508
507/508	Toxaphene	<1	ND	ug/L	1,675	507/508

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507/508	Trifluralin	<1	ND	ug/L	1,675	507/508
Chloride	Chloride	5.04		mg/L	1,705	SM 4500-Cl-E
E. coli	E. coli	15.5		mpn/100ml		SM 9223B
Field Dissolved Oxygen	Field Dissolved Oxygen	6.87		mg/L		SM 4500-O-G
Field pH	Field pH	7.85		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	262 uS/cm				SM 2510
Field Temperature	Field Temperature	18.3 C				EPA 170.1
Non-Filterable Residue	Non-Filterable Residue	5.00		mg/L	1,643	SM 2540-D
Petroleum Fractions	TPH as Gasoline	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as Hydraulic Fluid	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as Jet Fuel	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as JP4	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as Kerosene	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as Mineral Spirits	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as No. 1 Diesel	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as No. 2 Diesel	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as No. 3 Diesel	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as No. 4 Diesel	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as No. 5 Diesel	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as No. 6 Diesel	<500	ND	ug/L	1,647	OA-2
Petroleum Fractions	TPH as Waste Oil	<500	ND	ug/L	1,647	OA-2
Total Alkalinity as CaCO3	Total Alkalinity as CaCO3	107		mg/L	1,807	SM 2320 B
Total Nitrogen	Total Nitrogen	0.51		mg/L	1,737	I-2650-03
Total Phosphorus	Total Phosphorus	0.04	05	mg/L	1,772	L 10-115-01-1-C
Turbidity	Turbidity	3.22		NTU		EPA 180.1
VOAs	1,1,1,2-Tetrachloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,1,1-Trichloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,1,2,2-Tetrachloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,1,2-Trichloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,1-Dichloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,1-Dichloroethene	<0.5	ND	ug/L	1,605	8260B
VOAs	1,1-Dichloropropanone	<1	ND	ug/L	1,605	8260B
VOAs	1,1-Dichloropropene	<0.5	ND	ug/L	1,605	8260B
VOAs	1,2,3-Trichlorobenzene	<2.5	ND	ug/L	1,605	8260B
VOAs	1,2,3-Trichloropropane	<0.5	ND	ug/L	1,605	8260B

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VOAs	1,2,4-Trichlorobenzene	<2.5	ND	ug/L	1,605	8260B
VOAs	1,2,4-Trimethylbenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	1,2-Dibromo-3-chloropropane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,2-Dibromoethane (EDB)	<0.5	ND	ug/L	1,605	8260B
VOAs	1,2-Dichlorobenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	1,2-Dichloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,2-Dichloropropane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,3,5-Trimethylbenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	1,3-Dichlorobenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	1,3-Dichloropropane	<0.5	ND	ug/L	1,605	8260B
VOAs	1,4-Dichlorobenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	1-Chorobutane	<0.5	ND	ug/L	1,605	8260B
VOAs	2,2-Dichloropropane	<0.5	ND	ug/L	1,605	8260B
VOAs	2-Butanone (MEK)	<2.5	ND	ug/L	1,605	8260B
VOAs	2-Chlorotoluene	<0.5	ND	ug/L	1,605	8260B
VOAs	2-Hexanone	<1	ND	ug/L	1,605	8260B
VOAs	2-Nitropropane	<0.5	ND	ug/L	1,605	8260B
VOAs	4-Chlorotoluene	<0.5	ND	ug/L	1,605	8260B
VOAs	4-Methyl-2-pentanone(MIBK)	<0.5	ND	ug/L	1,605	8260B
VOAs	acetone	<10	ND	ug/L	1,605	8260B
VOAs	Acrylonitrile	<1	ND	ug/L	1,605	8260B
VOAs	Allyl Chloride	<0.5	ND	ug/L	1,605	8260B
VOAs	Benzene	<0.5	ND	ug/L	1,605	8260B
VOAs	Bromobenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	Bromochloromethane	<0.5	ND	ug/L	1,605	8260B
VOAs	Bromodichloromethane	<0.5	ND	ug/L	1,605	8260B
VOAs	Bromoform	<0.5	ND	ug/L	1,605	8260B
VOAs	Bromomethane	<2.5	ND	ug/L	1,605	8260B
VOAs	carbon disulfide	<0.5	ND	ug/L	1,605	8260B
VOAs	Carbon Tetrachloride	<0.5	ND	ug/L	1,605	8260B
VOAs	Chloroacetonitrile	<12.5	ND	ug/L	1,605	8260B
VOAs	Chlorobenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	Chloroethane	<2.5	ND	ug/L	1,605	8260B
VOAs	Chloroform	<0.5	ND	ug/L	1,605	8260B
VOAs	Chloromethane	<12.5	ND	ug/L	1,605	8260B

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Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	cis-1,2-dichloroethene	<0.5	ND	ug/L	1,605	8260B
VOAs	cis-1,3-Dichloropropene	<0.5	ND	ug/L	1,605	8260B
VOAs	Dibromochloromethane	<0.5	ND	ug/L	1,605	8260B
VOAs	Dibromomethane	<0.5	ND	ug/L	1,605	8260B
VOAs	Dichlorodifluoromethane	<0.5	ND	ug/L	1,605	8260B
VOAs	Diethyl ether	<10	ND	ug/L	1,605	8260B
VOAs	Ethylbenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	Ethylmethacrylate	<0.5	ND	ug/L	1,605	8260B
VOAs	Hexachlorobutadiene	<1	ND	ug/L	1,605	8260B
VOAs	Hexachloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	Iodomethane	<2.5	ND	ug/L	1,605	8260B
VOAs	Isopropylbenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	m&p-Xylenes	<0.5	ND	ug/L	1,605	8260B
VOAs	Methacrylonitrile	<0.5	ND	ug/L	1,605	8260B
VOAs	Methyl Acrylate	<5	ND	ug/L	1,605	8260B
VOAs	Methylene chloride	<10	ND	ug/L	1,605	8260B
VOAs	Methylmethacrylate	<0.5	ND	ug/L	1,605	8260B
VOAs	Methyl-t-butyl ether	<0.5	ND	ug/L	1,605	8260B
VOAs	Naphthalene	<2.5	ND	ug/L	1,605	8260B
VOAs	n-Butylbenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	Nitrobenzene	<5	ND	ug/L	1,605	8260B
VOAs	n-Propylbenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	o-Xylene	<0.5	ND	ug/L	1,605	8260B
VOAs	Pentachloroethane	<0.5	ND	ug/L	1,605	8260B
VOAs	p-isopropyltoluene	<0.5	ND	ug/L	1,605	8260B
VOAs	Propionitrile	<10	ND	ug/L	1,605	8260B
VOAs	sec-Butylbenzene	<0.5	ND	ug/L	1,605	8260B
VOAs	Styrene	<0.5	ND	ug/L	1,605	8260B
VOAs	tert-Butylbenzene	<1	ND	ug/L	1,605	8260B
VOAs	Tetrachloroethene	<0.5	ND	ug/L	1,605	8260B
VOAs	Tetrahydrofuran	<2.5	ND	ug/L	1,605	8260B
VOAs	Toluene	<0.5	ND	ug/L	1,605	8260B
VOAs	Total Xylenes	<1	ND	ug/L	1,605	8260B
VOAs	trans-1,2-Dichloroethene	<0.5	ND	ug/L	1,605	8260B
VOAs	trans-1,3-Dichloropropene	<0.5	ND	ug/L	1,605	8260B

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Collect Date: 10/13/2009 10:35:00AM
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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	1,605	8260B
VOAs	Trichloroethene	<0.5	ND	ug/L	1,605	8260B
VOAs	Trichlorofluoromethane	<2.5	ND	ug/L	1,605	8260B
VOAs	Vinyl Chloride	<0.5	ND	ug/L	1,605	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