Addendum

Missouri Department of Natural Resources
Environmental Services Program

Addendum

Reason: Reprinted by individual sample

Order ID 091020009 **Program, Contact:** ESP Tim Rielly

Report Date: 11/05/2009 **LDPR/JobCode:** FELZB

Order Comment:

Sample: AB08244

Customer #: 0932076

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: O-16

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 9:30:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
507/508	Alachlor	<0.25	ND,06	ug/L	1,765	507/508
507/508	Aldrin	<0.1	ND,06	ug/L	1,765	507/508
507/508	Arochlor 1016 (PCB-1016)	<0.25	ND	ug/L	1,765	507/508
507/508	Arochlor 1221 (PCB-1221)	<0.25	ND	ug/L	1,765	507/508
507/508	Arochlor 1232 (PCB-1232)	<0.25	ND	ug/L	1,765	507/508
507/508	Arochlor 1242 (PCB-1242)	<0.25	ND	ug/L	1,765	507/508
507/508	Arochlor 1248 (PCB-1248)	<0.25	ND	ug/L	1,765	507/508
507/508	Arochlor 1254 (PCB-1254)	<0.25	ND	ug/L	1,765	507/508
507/508	Arochlor 1260 (PCB-1260)	<0.25	ND	ug/L	1,765	507/508
507/508	Atrazine	0.29	05	ug/L	1,765	507/508
507/508	Butachlor	<0.25	ND	ug/L	1,765	507/508
507/508	Chlordane	<1	ND	ug/L	1,765	507/508
507/508	Cyanazine	<0.25	ND	ug/L	1,765	507/508
507/508	Dieldrin	<0.1	ND	ug/L	1,765	507/508
507/508	Endrin	<0.1	ND	ug/L	1,765	507/508
507/508	gamma-BHC (Lindane)	<0.1	ND	ug/L	1,765	507/508
507/508	Heptachlor	<0.1	ND	ug/L	1,765	507/508
507/508	Heptachlor Epoxide	<0.1	ND	ug/L	1,765	507/508
507/508	Hexachlorobenzene	<0.1	ND,06	ug/L	1,765	507/508
507/508	Hexachlorocyclopentadiene	<0.1	ND,06	ug/L	1,765	507/508
507/508	Methoxychlor	<0.1	ND	ug/L	1,765	507/508
507/508	Metolachlor	<0.25	ND	ug/L	1,765	507/508
507/508	Metribuzin	<0.25	ND	ug/L	1,765	507/508
507/508	Propachlor	<0.25	ND	ug/L	1,765	507/508
507/508	Simazine	<0.25	ND	ug/L	1,765	507/508
507/508	Toxaphene	<1	ND	ug/L	1,765	507/508

Sample: AB08244

Customer #: 0932076

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: O-16

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 9:30:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
507/508	Trifluralin	<1	ND,06	ug/L	1,765	507/508
Chloride	Chloride	4.69	05	mg/L	1,830	SM 4500-Cl-E
E. coli	E. coli	17.1		mpn/100ml		SM 9223B
Field Dissolved Oxygen	Field Dissolved Oxygen	7.42		mg/L		SM 4500-O-G
Field pH	Field pH	7.78		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	238 uS/cm				SM 2510
Field Temperature	Field Temperature	14.6 C				EPA 170.1
Non-Filterable Residue	Non-Filterable Residue	12.0		mg/L	1,749	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	87.8		mg/L	1,821	SM 2320 B
Total Nitrogen	Total Nitrogen	0.61		mg/L	1,782	I-2650-03
Total Phosphorus	Total Phosphorus	0.06		mg/L	1,774	L 10-115-01-1-C
Turbidity-WQMS	Turbidity-WQMS	12.4		NTU		EPA 180.1
VOAs	1,1,1,2-Tetrachloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,1,1-Trichloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,1,2,2-Tetrachloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,1,2-Trichloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,1-Dichloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,1-Dichloroethene	<0.5	ND	ug/L	1,689	8260B
VOAs	1,1-Dichloropropanone	<1	ND	ug/L	1,689	8260B
VOAs	1,1-Dichloropropene	<0.5	ND	ug/L	1,689	8260B
VOAs	1,2,3-Trichlorobenzene	<2.5	ND	ug/L	1,689	8260B
VOAs	1,2,3-Trichloropropane	<0.5	ND	ug/L	1,689	8260B

Sample: AB08244

Customer #: 0932076

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: O-16

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 9:30:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	1,2,4-Trichlorobenzene	<2.5	ND	ug/L	1,689	8260B
VOAs	1,2,4-Trimethylbenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	1,2-Dibromo-3-chloropropane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,2-Dibromoethane (EDB)	<0.5	ND	ug/L	1,689	8260B
VOAs	1,2-Dichlorobenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	1,2-Dichloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,2-Dichloropropane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,3,5-Trimethylbenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	1,3-Dichlorobenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	1,3-Dichloropropane	<0.5	ND	ug/L	1,689	8260B
VOAs	1,4-Dichlorobenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	1-Chorobutane	<0.5	ND	ug/L	1,689	8260B
VOAs	2,2-Dichloropropane	<0.5	ND	ug/L	1,689	8260B
VOAs	2-Butanone (MEK)	<2.5	ND	ug/L	1,689	8260B
VOAs	2-Chlorotoluene	<0.5	ND	ug/L	1,689	8260B
VOAs	2-Hexanone	<1	ND	ug/L	1,689	8260B
VOAs	2-Nitropropane	<0.5	ND	ug/L	1,689	8260B
VOAs	4-Chlorotoluene	<0.5	ND	ug/L	1,689	8260B
VOAs	4-Methyl-2-pentanone(MIBK)	<0.5	ND	ug/L	1,689	8260B
VOAs	acetone	<10	ND	ug/L	1,689	8260B
VOAs	Acrylonitrile	<1	ND	ug/L	1,689	8260B
VOAs	Allyl Chloride	<0.5	ND	ug/L	1,689	8260B
VOAs	Benzene	<0.5	ND	ug/L	1,689	8260B
VOAs	Bromobenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	Bromochloromethane	<0.5	ND	ug/L	1,689	8260B
VOAs	Bromodichloromethane	<0.5	ND	ug/L	1,689	8260B
VOAs	Bromoform	<0.5	ND	ug/L	1,689	8260B
VOAs	Bromomethane	<2.5	ND	ug/L	1,689	8260B
VOAs	carbon disulfide	<0.5	ND	ug/L	1,689	8260B
VOAs	Carbon Tetrachloride	<0.5	ND	ug/L	1,689	8260B
VOAs	Chloroacetonitrile	<12.5	ND	ug/L	1,689	8260B
VOAs	Chlorobenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	Chloroethane	<2.5	ND	ug/L	1,689	8260B
VOAs	Chloroform	<0.5	ND	ug/L	1,689	8260B
VOAs	Chloromethane	<12.5	ND	ug/L	1,689	8260B

Sample: AB08244

Customer #: 0932076

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: O-16

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 9:30:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	cis-1,2-dichloroethene	<0.5	ND	ug/L	1,689	8260B
VOAs	cis-1,3-Dichloropropene	<0.5	ND	ug/L	1,689	8260B
VOAs	Dibromochloromethane	<0.5	ND	ug/L	1,689	8260B
VOAs	Dibromomethane	<0.5	ND	ug/L	1,689	8260B
VOAs	Dichlorodifluoromethane	<0.5	ND	ug/L	1,689	8260B
VOAs	Diethyl ether	<10	ND	ug/L	1,689	8260B
VOAs	Ethylbenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	Ethylmethacrylate	<0.5	ND	ug/L	1,689	8260B
VOAs	Hexachlorobutadiene	<1	ND	ug/L	1,689	8260B
VOAs	Hexachloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	Iodomethane	<2.5	ND	ug/L	1,689	8260B
VOAs	Isopropylbenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	m&p-Xylenes	<0.5	ND	ug/L	1,689	8260B
VOAs	Methacrylonitrile	<0.5	ND	ug/L	1,689	8260B
VOAs	Methyl Acrylate	<5	ND	ug/L	1,689	8260B
VOAs	Methylene chloride	<10	ND	ug/L	1,689	8260B
VOAs	Methylmethacrylate	<0.5	ND	ug/L	1,689	8260B
VOAs	Methyl-t-butyl ether	<0.5	ND	ug/L	1,689	8260B
VOAs	Naphthalene	<2.5	ND	ug/L	1,689	8260B
VOAs	n-Butylbenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	Nitrobenzene	<5	ND	ug/L	1,689	8260B
VOAs	n-Propylbenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	o-Xylene	<0.5	ND	ug/L	1,689	8260B
VOAs	Pentachloroethane	<0.5	ND	ug/L	1,689	8260B
VOAs	p-isopropyltoluene	<0.5	ND	ug/L	1,689	8260B
VOAs	Propionitrile	<10	ND	ug/L	1,689	8260B
VOAs	sec-Butylbenzene	<0.5	ND	ug/L	1,689	8260B
VOAs	Styrene	<0.5	ND	ug/L	1,689	8260B
VOAs	tert-Butylbenzene	<1	ND	ug/L	1,689	8260B
VOAs	Tetrachloroethene	<0.5	ND	ug/L	1,689	8260B
VOAs	Tetrahydrofuran	<2.5	ND	ug/L	1,689	8260B
VOAs	Toluene	<0.5	ND	ug/L	1,689	8260B
VOAs	Total Xylenes	<1	ND	ug/L	1,689	8260B
VOAs	trans-1,2-Dichloroethene	<0.5	ND	ug/L	1,689	8260B
VOAs	trans-1,3-Dichloropropene	<0.5	ND	ug/L	1,689	8260B

Sample: **AB08244**

Customer #: 0932076

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: O-16

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 9:30:00AM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	trans-1,4-Dichloro-2-butene	<0.5	ND	ug/L	1,689	8260B
VOAs	Trichloroethene	<0.5	ND	ug/L	1,689	8260B
VOAs	Trichlorofluoromethane	<2.5	ND	ug/L	1,689	8260B
VOAs	Vinyl Chloride	<0.5	ND	ug/L	1,689	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