Addendum

Missouri Department of Natural Resources
Environmental Services Program

Addendum

Reason: Reprinted by individual sample

Order ID 091021001 **Program, Contact:** ESP Tim Rielly

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

Order Comment:

Sample: AB08269

Customer #: 0932064

Facility ID:
County:
Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Collector: SCOTT ROBINETT **Affiliation:** ESP **Collect Date:** 10/19/2009 12:45:00PM
Sample Comment: M-08A

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
507/508	Alachlor	<0.25	ND,06	ug/L	1,766	507/508
507/508	Aldrin	<0.1	ND,06	ug/L	1,766	507/508
507/508	Arochlor 1016 (PCB-1016)	<0.25	ND	ug/L	1,766	507/508
507/508	Arochlor 1221 (PCB-1221)	<0.25	ND	ug/L	1,766	507/508
507/508	Arochlor 1232 (PCB-1232)	<0.25	ND	ug/L	1,766	507/508
507/508	Arochlor 1242 (PCB-1242)	<0.25	ND	ug/L	1,766	507/508
507/508	Arochlor 1248 (PCB-1248)	<0.25	ND	ug/L	1,766	507/508
507/508	Arochlor 1254 (PCB-1254)	<0.25	ND	ug/L	1,766	507/508
507/508	Arochlor 1260 (PCB-1260)	<0.25	ND	ug/L	1,766	507/508
507/508	Atrazine	0.46	05	ug/L	1,766	507/508
507/508	Butachlor	<0.25	ND	ug/L	1,766	507/508
507/508	Chlordane	<1	ND	ug/L	1,766	507/508
507/508	Cyanazine	<0.25	ND	ug/L	1,766	507/508
507/508	Dieldrin	<0.1	ND	ug/L	1,766	507/508
507/508	Endrin	<0.1	ND	ug/L	1,766	507/508
507/508	gamma-BHC (Lindane)	<0.1	ND	ug/L	1,766	507/508
507/508	Heptachlor	<0.1	ND	ug/L	1,766	507/508
507/508	Heptachlor Epoxide	<0.1	ND	ug/L	1,766	507/508
507/508	Hexachlorobenzene	<0.1	ND,06	ug/L	1,766	507/508
507/508	Hexachlorocyclopentadiene	<0.1	ND,06	ug/L	1,766	507/508
507/508	Methoxychlor	<0.1	ND	ug/L	1,766	507/508
507/508	Metolachlor	<0.25	ND	ug/L	1,766	507/508
507/508	Metribuzin	<0.25	ND	ug/L	1,766	507/508
507/508	Propachlor	<0.25	ND	ug/L	1,766	507/508
507/508	Simazine	<0.25	ND	ug/L	1,766	507/508
507/508	Toxaphene	<1	ND	ug/L	1,766	507/508

Sample: AB08269

Customer #: 0932064

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: M-08A

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 12:45:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
507/508	Trifluralin	<1	ND,06	ug/L	1,766	507/508
Chloride	Chloride	3.91	05	mg/L	1,831	SM 4500-Cl-E
E. coli	E. coli	14.8		mpn/100ml		SM 9223B
Field Dissolved Oxygen	Field Dissolved Oxygen	7.93		mg/L		SM 4500-O-G
Field pH	Field pH	7.83		pH Units		EPA 150.1
Field Specific Conductivity	Field Specific Conductivity	224 uS/cm				SM 2510
Field Temperature	Field Temperature	15.1 C				EPA 170.1
Non-Filterable Residue	Non-Filterable Residue	10.0		mg/L	1,749	SM 2540-D
Petroleum Fractions	TPH as Gasoline	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as Hydraulic Fluid	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as Jet Fuel	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as JP4	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as Kerosene	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as Mineral Spirits	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as No. 1 Diesel	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as No. 2 Diesel	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as No. 3 Diesel	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as No. 4 Diesel	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as No. 5 Diesel	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as No. 6 Diesel	<500	ND	ug/L	1,837	OA-2
Petroleum Fractions	TPH as Waste Oil	<500	ND	ug/L	1,837	OA-2
Total Alkalinity as CaCO3	Total Alkalinity as CaCO3	90.9		mg/L	1,822	SM 2320 B
Total Nitrogen	Total Nitrogen	0.58		mg/L	1,783	I-2650-03
Total Phosphorus	Total Phosphorus	0.07		mg/L	1,775	L 10-115-01-1-C
Turbidity-WQMS	Turbidity-WQMS	10.1		NTU		EPA 180.1
VOAs	1,1,1,2-Tetrachloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,1,1-Trichloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,1,2,2-Tetrachloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,1,2-Trichloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,1-Dichloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,1-Dichloroethene	<0.5	ND	ug/L	1,730	8260B
VOAs	1,1-Dichloropropanone	<1	ND	ug/L	1,730	8260B
VOAs	1,1-Dichloropropene	<0.5	ND	ug/L	1,730	8260B
VOAs	1,2,3-Trichlorobenzene	<2.5	ND	ug/L	1,730	8260B
VOAs	1,2,3-Trichloropropane	<0.5	ND	ug/L	1,730	8260B

Sample: AB08269

Customer #: 0932064

Facility ID:
County:

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:

Collector: SCOTT ROBINETT
Affiliation: ESP
Collect Date: 10/19/2009 12:45:00PM

Sample Comment: M-08A

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	1,2,4-Trichlorobenzene	<2.5	ND	ug/L	1,730	8260B
VOAs	1,2,4-Trimethylbenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	1,2-Dibromo-3-chloropropane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,2-Dibromoethane (EDB)	<0.5	ND	ug/L	1,730	8260B
VOAs	1,2-Dichlorobenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	1,2-Dichloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,2-Dichloropropane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,3,5-Trimethylbenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	1,3-Dichlorobenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	1,3-Dichloropropane	<0.5	ND	ug/L	1,730	8260B
VOAs	1,4-Dichlorobenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	1-Chorobutane	<0.5	ND	ug/L	1,730	8260B
VOAs	2,2-Dichloropropane	<0.5	ND	ug/L	1,730	8260B
VOAs	2-Butanone (MEK)	<2.5	ND	ug/L	1,730	8260B
VOAs	2-Chlorotoluene	<0.5	ND	ug/L	1,730	8260B
VOAs	2-Hexanone	<1	ND	ug/L	1,730	8260B
VOAs	2-Nitropropane	<0.5	ND	ug/L	1,730	8260B
VOAs	4-Chlorotoluene	<0.5	ND	ug/L	1,730	8260B
VOAs	4-Methyl-2-pentanone(MIBK)	<0.5	ND	ug/L	1,730	8260B
VOAs	acetone	<10	ND	ug/L	1,730	8260B
VOAs	Acrylonitrile	<1	ND	ug/L	1,730	8260B
VOAs	Allyl Chloride	<0.5	ND	ug/L	1,730	8260B
VOAs	Benzene	<0.5	ND	ug/L	1,730	8260B
VOAs	Bromobenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	Bromochloromethane	<0.5	ND	ug/L	1,730	8260B
VOAs	Bromodichloromethane	<0.5	ND	ug/L	1,730	8260B
VOAs	Bromoform	<0.5	ND	ug/L	1,730	8260B
VOAs	Bromomethane	<2.5	ND	ug/L	1,730	8260B
VOAs	carbon disulfide	<0.5	ND	ug/L	1,730	8260B
VOAs	Carbon Tetrachloride	<0.5	ND	ug/L	1,730	8260B
VOAs	Chloroacetonitrile	<12.5	ND	ug/L	1,730	8260B
VOAs	Chlorobenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	Chloroethane	<2.5	ND	ug/L	1,730	8260B
VOAs	Chloroform	<0.5	ND	ug/L	1,730	8260B
VOAs	Chloromethane	<12.5	ND	ug/L	1,730	8260B

Sample: AB08269

Customer #: 0932064

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: M-08A

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 12:45:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	cis-1,2-dichloroethene	<0.5	ND	ug/L	1,730	8260B
VOAs	cis-1,3-Dichloropropene	<0.5	ND	ug/L	1,730	8260B
VOAs	Dibromochloromethane	<0.5	ND	ug/L	1,730	8260B
VOAs	Dibromomethane	<0.5	ND	ug/L	1,730	8260B
VOAs	Dichlorodifluoromethane	<0.5	ND	ug/L	1,730	8260B
VOAs	Diethyl ether	<10	ND	ug/L	1,730	8260B
VOAs	Ethylbenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	Ethylmethacrylate	<0.5	ND	ug/L	1,730	8260B
VOAs	Hexachlorobutadiene	<1	ND	ug/L	1,730	8260B
VOAs	Hexachloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	Iodomethane	<2.5	ND	ug/L	1,730	8260B
VOAs	Isopropylbenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	m&p-Xylenes	<0.5	ND	ug/L	1,730	8260B
VOAs	Methacrylonitrile	<0.5	ND	ug/L	1,730	8260B
VOAs	Methyl Acrylate	<5	ND	ug/L	1,730	8260B
VOAs	Methylene chloride	<10	ND	ug/L	1,730	8260B
VOAs	Methylmethacrylate	<0.5	ND	ug/L	1,730	8260B
VOAs	Methyl-t-butyl ether	<0.5	ND	ug/L	1,730	8260B
VOAs	Naphthalene	<2.5	ND	ug/L	1,730	8260B
VOAs	n-Butylbenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	Nitrobenzene	<5	ND	ug/L	1,730	8260B
VOAs	n-Propylbenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	o-Xylene	<0.5	ND	ug/L	1,730	8260B
VOAs	Pentachloroethane	<0.5	ND	ug/L	1,730	8260B
VOAs	p-isopropyltoluene	<0.5	ND	ug/L	1,730	8260B
VOAs	Propionitrile	<10	ND	ug/L	1,730	8260B
VOAs	sec-Butylbenzene	<0.5	ND	ug/L	1,730	8260B
VOAs	Styrene	<0.5	ND	ug/L	1,730	8260B
VOAs	tert-Butylbenzene	<1	ND	ug/L	1,730	8260B
VOAs	Tetrachloroethene	<0.5	ND	ug/L	1,730	8260B
VOAs	Tetrahydrofuran	<2.5	ND	ug/L	1,730	8260B
VOAs	Toluene	<0.5	ND	ug/L	1,730	8260B
VOAs	Total Xylenes	<1	ND	ug/L	1,730	8260B
VOAs	trans-1,2-Dichloroethene	<0.5	ND	ug/L	1,730	8260B
VOAs	trans-1,3-Dichloropropene	<0.5	ND	ug/L	1,730	8260B

Sample: **AB08269**

Customer #: 0932064

Facility ID:
County:
Collector: SCOTT ROBINETT
Sample Comment: M-08A

Site: Lake of the Ozark Baseline Survey
Sample Reference ID:
Affiliation: ESP
Collect Date: 10/19/2009 12:45:00PM

Test	Parameter	Result	Qualifier	Units	QC Batch ID	Method
VOAs	trans-1,4-Dichloro-2-butene	<0.5	ND	ug/L	1,730	8260B
VOAs	Trichloroethene	<0.5	ND	ug/L	1,730	8260B
VOAs	Trichlorofluoromethane	<2.5	ND	ug/L	1,730	8260B
VOAs	Vinyl Chloride	<0.5	ND	ug/L	1,730	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