



25712 Commercentre Drive
Lake Forest, California 92630
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18 April 2011

Simon Makdessi
RMA Group of Northern California
257 Wright Brothers Ave.
Livermore, CA 94551
RE: Union City TOD

Enclosed are the results of analyses for samples received by the laboratory on 04/09/11 09:11. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez For John Shepler
Laboratory Director



25712 Commercentre Drive
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RMA Group of Northern California 257 Wright Brothers Ave. Livermore CA, 94551	Project: Union City TOD Project Number: 11-092-P Project Manager: Simon Makdessi	Reported: 04/18/11 14:28
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
COMP 1	T110416-19	Soil	04/01/11 00:00	04/09/11 09:11
COMP 2	T110416-20	Soil	04/01/11 00:00	04/09/11 09:11
COMP 3	T110416-21	Soil	04/01/11 00:00	04/09/11 09:11
COMP 4	T110416-22	Soil	04/01/11 00:00	04/09/11 09:11
COMP 5	T110416-23	Soil	04/01/11 00:00	04/09/11 09:11

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 257 Wright Brothers Ave.
 Livermore CA, 94551

Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 1
T110416-19(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND		500	ug/kg	1	1041116	04/11/11	04/12/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>			99.8 %	72.6-146		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015C

C13-C28 (DRO)	ND		10	mg/kg	1	1041108	04/11/11	04/14/11	EPA 8015C	
C29-C40 (MORO)	30		10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>			76.0 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND		3.0	mg/kg	1	1041111	04/11/11	04/14/11	EPA 6010B	
Silver	ND		2.0	"	"	"	"	"	"	
Arsenic	ND		5.0	"	"	"	"	"	"	
Barium	270		1.0	"	"	"	"	"	"	
Beryllium	ND		1.0	"	"	"	"	"	"	
Cadmium	ND		2.0	"	"	"	"	"	"	
Chromium	34		2.0	"	"	"	"	"	"	
Cobalt	12		2.0	"	"	"	"	"	"	
Copper	42		1.0	"	"	"	"	"	"	
Lead	11		3.0	"	"	"	"	"	"	
Molybdenum	ND		1.0	"	"	"	"	"	"	
Nickel	37		2.0	"	"	"	"	"	"	
Selenium	ND		5.0	"	"	"	"	"	"	
Thallium	ND		2.0	"	"	"	"	"	"	
Vanadium	42		5.0	"	"	"	"	"	"	
Zinc	73		1.0	"	"	"	"	"	"	

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Samuel J. Chang



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SunStar Laboratories, Inc.

Cold Vapor Extraction EPA 7470/7471

Mercury	0.15		0.10	mg/kg	1	1041110	04/11/11	04/12/11	EPA 7471A Soil	
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	1.4	5.0	ug/kg	1	1041301	04/13/11	04/14/11	EPA 8081A	
gamma-BHC (Lindane)	ND	1.4	5.0	"	"	"	"	"	"	"
beta-BHC	ND	2.0	5.0	"	"	"	"	"	"	"
delta-BHC	ND	1.3	5.0	"	"	"	"	"	"	"
Heptachlor	ND	1.9	5.0	"	"	"	"	"	"	"
Aldrin	ND	1.3	5.0	"	"	"	"	"	"	"
Heptachlor epoxide	ND	1.8	5.0	"	"	"	"	"	"	"
gamma-Chlordane	ND	1.7	5.0	"	"	"	"	"	"	"
alpha-Chlordane	ND	1.9	5.0	"	"	"	"	"	"	"
Endosulfan I	ND	1.8	5.0	"	"	"	"	"	"	"
4,4'-DDE	5.5	1.3	5.0	"	"	"	"	"	"	"
Dieldrin	ND	1.4	5.0	"	"	"	"	"	"	"
Endrin	ND	1.5	5.0	"	"	"	"	"	"	"
4,4'-DDD	ND	1.4	5.0	"	"	"	"	"	"	"
Endosulfan II	ND	1.7	5.0	"	"	"	"	"	"	"
4,4'-DDT	ND	2.1	5.0	"	"	"	"	"	"	"
Endrin aldehyde	ND	2.0	5.0	"	"	"	"	"	"	"
Endosulfan sulfate	ND	1.7	5.0	"	"	"	"	"	"	"
Methoxychlor	ND	2.2	10	"	"	"	"	"	"	"
Endrin ketone	ND	2.6	5.0	"	"	"	"	"	"	"
Toxaphene	ND	15	200	"	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene			87.2 %		35-140		"	"	"	"
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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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COMP 1
T110416-19(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	ND		10	ug/kg	1	1041106	04/11/11	04/12/11	EPA 8082	
PCB-1221	ND		10	"	"	"	"	"	"	
PCB-1232	ND		10	"	"	"	"	"	"	
PCB-1242	ND		10	"	"	"	"	"	"	
PCB-1248	ND		10	"	"	"	"	"	"	
PCB-1254	ND		10	"	"	"	"	"	"	
PCB-1260	ND		10	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 113 % 35-140 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
Bromochloromethane	ND		5.0	"	"	"	"	"	"	
Bromodichloromethane	ND		5.0	"	"	"	"	"	"	
Bromoform	ND		5.0	"	"	"	"	"	"	
Bromomethane	ND		5.0	"	"	"	"	"	"	
n-Butylbenzene	ND		5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		5.0	"	"	"	"	"	"	
Chlorobenzene	ND		5.0	"	"	"	"	"	"	
Chloroethane	ND		5.0	"	"	"	"	"	"	
Chloroform	ND		5.0	"	"	"	"	"	"	
Chloromethane	ND		5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
Dibromochloromethane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		5.0	"	"	"	"	"	"	
Dibromomethane	ND		5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		5.0	"	"	"	"	"	"	

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COMP 1
T110416-19(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1-Dichloroethane	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
1,2-Dichloroethane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND		5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND		5.0	"	"	"	"	"	"	
Isopropylbenzene	ND		5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		5.0	"	"	"	"	"	"	
Methylene chloride	ND		5.0	"	"	"	"	"	"	
Naphthalene	ND		5.0	"	"	"	"	"	"	
n-Propylbenzene	ND		5.0	"	"	"	"	"	"	
Styrene	ND		5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
Tetrachloroethene	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.0	"	"	"	"	"	"	
Trichloroethene	ND		5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
Vinyl chloride	ND		5.0	"	"	"	"	"	"	
Benzene	ND		5.0	"	"	"	"	"	"	
Toluene	ND		5.0	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Ethylbenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
m,p-Xylene	ND		5.0	"	"	"	"	"	"	
o-Xylene	ND		5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		20	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			107 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>			98.0 %	90-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>			99.5 %	85-115		"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Carbazole	ND		300	ug/kg	1	1041117	04/11/11	04/13/11	EPA 8270C	
Aniline	ND		300	"	"	"	"	"	"	
Phenol	ND		1000	"	"	"	"	"	"	
2-Chlorophenol	ND		1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND		300	"	"	"	"	"	"	
2-Methylnaphthalene	ND		300	"	"	"	"	"	"	
Acenaphthene	ND		300	"	"	"	"	"	"	
4-Nitrophenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND		300	"	"	"	"	"	"	
Pentachlorophenol	ND		1000	"	"	"	"	"	"	
Pyrene	ND		300	"	"	"	"	"	"	
Acenaphthylene	ND		300	"	"	"	"	"	"	
Anthracene	ND		300	"	"	"	"	"	"	
Benzo (a) anthracene	ND		300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND		300	"	"	"	"	"	"	
Benzyl alcohol	ND		300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND		300	"	"	"	"	"	"	

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Project: Union City TOD
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Project Manager: Simon Makdessi

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COMP 1
T110416-19(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bis(2-chloroethyl)ether	ND		300	ug/kg	1	1041117	04/11/11	04/13/11	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND		300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND		300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND		300	"	"	"	"	"	"	
4-Chloroaniline	ND		300	"	"	"	"	"	"	
2-Chloronaphthalene	ND		300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Chrysene	ND		300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		300	"	"	"	"	"	"	
Dibenzofuran	ND		300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND		300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND		1000	"	"	"	"	"	"	
Diethyl phthalate	ND		300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND		1000	"	"	"	"	"	"	
Dimethyl phthalate	ND		300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND		1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND		1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND		300	"	"	"	"	"	"	
Fluoranthene	ND		300	"	"	"	"	"	"	
Fluorene	ND		300	"	"	"	"	"	"	
Hexachlorobenzene	ND		1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND		300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND		1000	"	"	"	"	"	"	
Hexachloroethane	ND		300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		300	"	"	"	"	"	"	
Isophorone	ND		300	"	"	"	"	"	"	
2-Methylphenol	ND		1000	"	"	"	"	"	"	
4-Methylphenol	ND		1000	"	"	"	"	"	"	
Naphthalene	ND		300	"	"	"	"	"	"	

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COMP 1
T110416-19(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Semivolatile Organic Compounds by EPA Method 8270C

2-Nitroaniline	ND		300	ug/kg	1	1041117	04/11/11	04/13/11	EPA 8270C	
3-Nitroaniline	ND		300	"	"	"	"	"	"	
4-Nitroaniline	ND		300	"	"	"	"	"	"	
Nitrobenzene	ND		1000	"	"	"	"	"	"	
2-Nitrophenol	ND		1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND		300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
Phenanthrene	ND		300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND		1000	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>			34.1 %							
<i>Surrogate: Phenol-d6</i>			35.1 %							
<i>Surrogate: Nitrobenzene-d5</i>			40.3 %							
<i>Surrogate: 2-Fluorobiphenyl</i>			40.7 %							
<i>Surrogate: 2,4,6-Tribromophenol</i>			40.1 %							
<i>Surrogate: Terphenyl-d14</i>			45.0 %							





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COMP 2
T110416-20(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND		500	ug/kg	1	1041116	04/11/11	04/12/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>			103 %	72.6-146		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015C

C13-C28 (DRO)	ND		10	mg/kg	1	1041108	04/11/11	04/14/11	EPA 8015C	
C29-C40 (MORO)	ND		10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>			74.7 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND		3.0	mg/kg	1	1041111	04/11/11	04/14/11	EPA 6010B	
Silver	ND		2.0	"	"	"	"	"	"	
Arsenic	ND		5.0	"	"	"	"	"	"	
Barium	160		1.0	"	"	"	"	"	"	
Beryllium	ND		1.0	"	"	"	"	"	"	
Cadmium	ND		2.0	"	"	"	"	"	"	
Chromium	39		2.0	"	"	"	"	"	"	
Cobalt	10		2.0	"	"	"	"	"	"	
Copper	41		1.0	"	"	"	"	"	"	
Lead	10		3.0	"	"	"	"	"	"	
Molybdenum	ND		1.0	"	"	"	"	"	"	
Nickel	38		2.0	"	"	"	"	"	"	
Selenium	ND		5.0	"	"	"	"	"	"	
Thallium	ND		2.0	"	"	"	"	"	"	
Vanadium	45		5.0	"	"	"	"	"	"	
Zinc	85		1.0	"	"	"	"	"	"	

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RMA Group of Northern California
 257 Wright Brothers Ave.
 Livermore CA, 94551

Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 2
T110416-20(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Cold Vapor Extraction EPA 7470/7471

Mercury	ND		0.10	mg/kg	1	1041110	04/11/11	04/12/11	EPA 7471A Soil	
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	1.4	5.0	ug/kg	1	1041301	04/13/11	04/14/11	EPA 8081A	
gamma-BHC (Lindane)	ND	1.4	5.0	"	"	"	"	"	"	
beta-BHC	ND	2.0	5.0	"	"	"	"	"	"	
delta-BHC	ND	1.3	5.0	"	"	"	"	"	"	
Heptachlor	ND	1.9	5.0	"	"	"	"	"	"	
Aldrin	ND	1.3	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.8	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	1.7	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	1.9	5.0	"	"	"	"	"	"	
Endosulfan I	ND	1.8	5.0	"	"	"	"	"	"	
4,4'-DDE	6.9	1.3	5.0	"	"	"	"	"	"	
Dieldrin	ND	1.4	5.0	"	"	"	"	"	"	
Endrin	ND	1.5	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	1.4	5.0	"	"	"	"	"	"	
Endosulfan II	ND	1.7	5.0	"	"	"	"	"	"	
4,4'-DDT	5.1	2.1	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	2.0	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.7	5.0	"	"	"	"	"	"	
Methoxychlor	ND	2.2	10	"	"	"	"	"	"	
Endrin ketone	ND	2.6	5.0	"	"	"	"	"	"	
Toxaphene	ND	15	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene			91.6 %			35-140	"	"	"	"

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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COMP 2
T110416-20(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	ND		10	ug/kg	1	1041106	04/11/11	04/12/11	EPA 8082	
PCB-1221	ND		10	"	"	"	"	"	"	
PCB-1232	ND		10	"	"	"	"	"	"	
PCB-1242	ND		10	"	"	"	"	"	"	
PCB-1248	ND		10	"	"	"	"	"	"	
PCB-1254	ND		10	"	"	"	"	"	"	
PCB-1260	ND		10	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 129 % 35-140 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
Bromochloromethane	ND		5.0	"	"	"	"	"	"	
Bromodichloromethane	ND		5.0	"	"	"	"	"	"	
Bromoform	ND		5.0	"	"	"	"	"	"	
Bromomethane	ND		5.0	"	"	"	"	"	"	
n-Butylbenzene	ND		5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		5.0	"	"	"	"	"	"	
Chlorobenzene	ND		5.0	"	"	"	"	"	"	
Chloroethane	ND		5.0	"	"	"	"	"	"	
Chloroform	ND		5.0	"	"	"	"	"	"	
Chloromethane	ND		5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
Dibromochloromethane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		5.0	"	"	"	"	"	"	
Dibromomethane	ND		5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		5.0	"	"	"	"	"	"	

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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COMP 2
T110416-20(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloroethane	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
1,2-Dichloroethane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND		5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND		5.0	"	"	"	"	"	"	
Isopropylbenzene	ND		5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		5.0	"	"	"	"	"	"	
Methylene chloride	ND		5.0	"	"	"	"	"	"	
Naphthalene	ND		5.0	"	"	"	"	"	"	
n-Propylbenzene	ND		5.0	"	"	"	"	"	"	
Styrene	ND		5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
Tetrachloroethene	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.0	"	"	"	"	"	"	
Trichloroethene	ND		5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
Vinyl chloride	ND		5.0	"	"	"	"	"	"	
Benzene	ND		5.0	"	"	"	"	"	"	
Toluene	ND		5.0	"	"	"	"	"	"	

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257 Wright Brothers Ave.
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Project: Union City TOD
Project Number: 11-092-P
Project Manager: Simon Makdessi

Reported:
04/18/11 14:28

COMP 2
T110416-20(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Ethylbenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
m,p-Xylene	ND		5.0	"	"	"	"	"	"	
o-Xylene	ND		5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		20	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			107 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>			99.5 %	90-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>			94.9 %	85-115		"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Carbazole	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Aniline	ND		300	"	"	"	"	"	"	
Phenol	ND		1000	"	"	"	"	"	"	
2-Chlorophenol	ND		1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND		300	"	"	"	"	"	"	
2-Methylnaphthalene	ND		300	"	"	"	"	"	"	
Acenaphthene	ND		300	"	"	"	"	"	"	
4-Nitrophenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND		300	"	"	"	"	"	"	
Pentachlorophenol	ND		1000	"	"	"	"	"	"	
Pyrene	ND		300	"	"	"	"	"	"	
Acenaphthylene	ND		300	"	"	"	"	"	"	
Anthracene	ND		300	"	"	"	"	"	"	
Benzo (a) anthracene	ND		300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND		300	"	"	"	"	"	"	
Benzyl alcohol	ND		300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND		300	"	"	"	"	"	"	

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 2
T110416-20(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bis(2-chloroethyl)ether	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND		300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND		300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND		300	"	"	"	"	"	"	
4-Chloroaniline	ND		300	"	"	"	"	"	"	
2-Chloronaphthalene	ND		300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Chrysene	ND		300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		300	"	"	"	"	"	"	
Dibenzofuran	ND		300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND		300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND		1000	"	"	"	"	"	"	
Diethyl phthalate	ND		300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND		1000	"	"	"	"	"	"	
Dimethyl phthalate	ND		300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND		1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND		1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND		300	"	"	"	"	"	"	
Fluoranthene	ND		300	"	"	"	"	"	"	
Fluorene	ND		300	"	"	"	"	"	"	
Hexachlorobenzene	ND		1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND		300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND		1000	"	"	"	"	"	"	
Hexachloroethane	ND		300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		300	"	"	"	"	"	"	
Isophorone	ND		300	"	"	"	"	"	"	
2-Methylphenol	ND		1000	"	"	"	"	"	"	
4-Methylphenol	ND		1000	"	"	"	"	"	"	
Naphthalene	ND		300	"	"	"	"	"	"	

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 Project Manager: Simon Makdessi

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COMP 2
T110416-20(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

2-Nitroaniline	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
3-Nitroaniline	ND		300	"	"	"	"	"	"	
4-Nitroaniline	ND		300	"	"	"	"	"	"	
Nitrobenzene	ND		1000	"	"	"	"	"	"	
2-Nitrophenol	ND		1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND		300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
Phenanthrene	ND		300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND		1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol			38.6 %	14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6			37.9 %	12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5			48.9 %	21.3-119		"	"	"	"	
Surrogate: 2-Fluorobiphenyl			46.8 %	32.4-102		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol			46.7 %	18.1-101		"	"	"	"	
Surrogate: Terphenyl-d14			56.8 %	29.1-130		"	"	"	"	

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 Project Manager: Simon Makdessi

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 04/18/11 14:28

COMP 3
T110416-21(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND		500	ug/kg	1	1041116	04/11/11	04/12/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>			94.8 %	72.6-146		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015C

C13-C28 (DRO)	ND		10	mg/kg	1	1041108	04/11/11	04/14/11	EPA 8015C	
C29-C40 (MORO)	ND		10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>			72.4 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND		3.0	mg/kg	1	1041111	04/11/11	04/14/11	EPA 6010B	
Silver	ND		2.0	"	"	"	"	"	"	
Arsenic	6.7		5.0	"	"	"	"	"	"	
Barium	170		1.0	"	"	"	"	"	"	
Beryllium	ND		1.0	"	"	"	"	"	"	
Cadmium	ND		2.0	"	"	"	"	"	"	
Chromium	42		2.0	"	"	"	"	"	"	
Cobalt	12		2.0	"	"	"	"	"	"	
Copper	41		1.0	"	"	"	"	"	"	
Lead	9.7		3.0	"	"	"	"	"	"	
Molybdenum	ND		1.0	"	"	"	"	"	"	
Nickel	42		2.0	"	"	"	"	"	"	
Selenium	ND		5.0	"	"	"	"	"	"	
Thallium	ND		2.0	"	"	"	"	"	"	
Vanadium	51		5.0	"	"	"	"	"	"	
Zinc	87		1.0	"	"	"	"	"	"	

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COMP 3
T110416-21(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Cold Vapor Extraction EPA 7470/7471

Mercury	ND		0.10	mg/kg	1	1041110	04/11/11	04/12/11	EPA 7471A Soil	
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	1.4	5.0	ug/kg	1	1041301	04/13/11	04/14/11	EPA 8081A	
gamma-BHC (Lindane)	ND	1.4	5.0	"	"	"	"	"	"	"
beta-BHC	ND	2.0	5.0	"	"	"	"	"	"	"
delta-BHC	ND	1.3	5.0	"	"	"	"	"	"	"
Heptachlor	ND	1.9	5.0	"	"	"	"	"	"	"
Aldrin	ND	1.3	5.0	"	"	"	"	"	"	"
Heptachlor epoxide	ND	1.8	5.0	"	"	"	"	"	"	"
gamma-Chlordane	ND	1.7	5.0	"	"	"	"	"	"	"
alpha-Chlordane	ND	1.9	5.0	"	"	"	"	"	"	"
Endosulfan I	ND	1.8	5.0	"	"	"	"	"	"	"
4,4'-DDE	5.3	1.3	5.0	"	"	"	"	"	"	"
Dieldrin	ND	1.4	5.0	"	"	"	"	"	"	"
Endrin	ND	1.5	5.0	"	"	"	"	"	"	"
4,4'-DDD	ND	1.4	5.0	"	"	"	"	"	"	"
Endosulfan II	ND	1.7	5.0	"	"	"	"	"	"	"
4,4'-DDT	ND	2.1	5.0	"	"	"	"	"	"	"
Endrin aldehyde	ND	2.0	5.0	"	"	"	"	"	"	"
Endosulfan sulfate	ND	1.7	5.0	"	"	"	"	"	"	"
Methoxychlor	ND	2.2	10	"	"	"	"	"	"	"
Endrin ketone	ND	2.6	5.0	"	"	"	"	"	"	"
Toxaphene	ND	15	200	"	"	"	"	"	"	"
<i>Surrogate: Tetrachloro-meta-xylene</i>			112 %	35-140		"	"	"	"	"

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RMA Group of Northern California
 257 Wright Brothers Ave.
 Livermore CA, 94551

Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 3
T110416-21(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	ND		10	ug/kg	1	1041106	04/11/11	04/12/11	EPA 8082	
PCB-1221	ND		10	"	"	"	"	"	"	
PCB-1232	ND		10	"	"	"	"	"	"	
PCB-1242	ND		10	"	"	"	"	"	"	
PCB-1248	ND		10	"	"	"	"	"	"	
PCB-1254	ND		10	"	"	"	"	"	"	
PCB-1260	ND		10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>			155 %	35-140		"	"	"	"	S-04

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
Bromochloromethane	ND		5.0	"	"	"	"	"	"	
Bromodichloromethane	ND		5.0	"	"	"	"	"	"	
Bromoform	ND		5.0	"	"	"	"	"	"	
Bromomethane	ND		5.0	"	"	"	"	"	"	
n-Butylbenzene	ND		5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		5.0	"	"	"	"	"	"	
Chlorobenzene	ND		5.0	"	"	"	"	"	"	
Chloroethane	ND		5.0	"	"	"	"	"	"	
Chloroform	ND		5.0	"	"	"	"	"	"	
Chloromethane	ND		5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
Dibromochloromethane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		5.0	"	"	"	"	"	"	
Dibromomethane	ND		5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		5.0	"	"	"	"	"	"	

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COMP 3
T110416-21(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloroethane	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
1,2-Dichloroethane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND		5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND		5.0	"	"	"	"	"	"	
Isopropylbenzene	ND		5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		5.0	"	"	"	"	"	"	
Methylene chloride	ND		5.0	"	"	"	"	"	"	
Naphthalene	ND		5.0	"	"	"	"	"	"	
n-Propylbenzene	ND		5.0	"	"	"	"	"	"	
Styrene	ND		5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
Tetrachloroethene	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.0	"	"	"	"	"	"	
Trichloroethene	ND		5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
Vinyl chloride	ND		5.0	"	"	"	"	"	"	
Benzene	ND		5.0	"	"	"	"	"	"	
Toluene	ND		5.0	"	"	"	"	"	"	

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COMP 3
T110416-21(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Ethylbenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/11/11	EPA 8260B	
m,p-Xylene	ND		5.0	"	"	"	"	"	"	
o-Xylene	ND		5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		20	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			107 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>			101 %	90-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>			98.2 %	85-115		"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Carbazole	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Aniline	ND		300	"	"	"	"	"	"	
Phenol	ND		1000	"	"	"	"	"	"	
2-Chlorophenol	ND		1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND		300	"	"	"	"	"	"	
2-Methylnaphthalene	ND		300	"	"	"	"	"	"	
Acenaphthene	ND		300	"	"	"	"	"	"	
4-Nitrophenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND		300	"	"	"	"	"	"	
Pentachlorophenol	ND		1000	"	"	"	"	"	"	
Pyrene	ND		300	"	"	"	"	"	"	
Acenaphthylene	ND		300	"	"	"	"	"	"	
Anthracene	ND		300	"	"	"	"	"	"	
Benzo (a) anthracene	ND		300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND		300	"	"	"	"	"	"	
Benzyl alcohol	ND		300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND		300	"	"	"	"	"	"	

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 Project Number: 11-092-P
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COMP 3
T110416-21(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bis(2-chloroethyl)ether	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND		300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND		300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND		300	"	"	"	"	"	"	
4-Chloroaniline	ND		300	"	"	"	"	"	"	
2-Chloronaphthalene	ND		300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Chrysene	ND		300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		300	"	"	"	"	"	"	
Dibenzofuran	ND		300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND		300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND		1000	"	"	"	"	"	"	
Diethyl phthalate	ND		300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND		1000	"	"	"	"	"	"	
Dimethyl phthalate	ND		300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND		1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND		1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND		300	"	"	"	"	"	"	
Fluoranthene	ND		300	"	"	"	"	"	"	
Fluorene	ND		300	"	"	"	"	"	"	
Hexachlorobenzene	ND		1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND		300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND		1000	"	"	"	"	"	"	
Hexachloroethane	ND		300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		300	"	"	"	"	"	"	
Isophorone	ND		300	"	"	"	"	"	"	
2-Methylphenol	ND		1000	"	"	"	"	"	"	
4-Methylphenol	ND		1000	"	"	"	"	"	"	
Naphthalene	ND		300	"	"	"	"	"	"	

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COMP 3
T110416-21(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

2-Nitroaniline	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
3-Nitroaniline	ND		300	"	"	"	"	"	"	
4-Nitroaniline	ND		300	"	"	"	"	"	"	
Nitrobenzene	ND		1000	"	"	"	"	"	"	
2-Nitrophenol	ND		1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND		300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
Phenanthrene	ND		300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND		1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol			38.5 %	14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6			42.2 %	12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5			49.4 %	21.3-119		"	"	"	"	
Surrogate: 2-Fluorobiphenyl			52.5 %	32.4-102		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol			50.9 %	18.1-101		"	"	"	"	
Surrogate: Terphenyl-d14			61.4 %	29.1-130		"	"	"	"	

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COMP 4
T110416-22(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND		500	ug/kg	1	1041116	04/11/11	04/12/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>			102 %	72.6-146		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015C

C13-C28 (DRO)	ND		10	mg/kg	1	1041108	04/11/11	04/14/11	EPA 8015C	
C29-C40 (MORO)	ND		10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>			96.3 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND		3.0	mg/kg	1	1041111	04/11/11	04/14/11	EPA 6010B	
Silver	ND		2.0	"	"	"	"	"	"	
Arsenic	ND		5.0	"	"	"	"	"	"	
Barium	170		1.0	"	"	"	"	"	"	
Beryllium	ND		1.0	"	"	"	"	04/14/11	"	
Cadmium	ND		2.0	"	"	"	"	04/14/11	"	
Chromium	50		2.0	"	"	"	"	"	"	
Cobalt	13		2.0	"	"	"	"	"	"	
Copper	44		1.0	"	"	"	"	"	"	
Lead	17		3.0	"	"	"	"	"	"	
Molybdenum	ND		1.0	"	"	"	"	"	"	
Nickel	44		2.0	"	"	"	"	"	"	
Selenium	ND		5.0	"	"	"	"	"	"	
Thallium	ND		2.0	"	"	"	"	"	"	
Vanadium	55		5.0	"	"	"	"	"	"	
Zinc	99		1.0	"	"	"	"	"	"	

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T110416-22(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Cold Vapor Extraction EPA 7470/7471

Mercury	ND		0.10	mg/kg	1	1041110	04/11/11	04/12/11	EPA 7471A Soil	
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	1.4	5.0	ug/kg	1	1041301	04/13/11	04/14/11	EPA 8081A	
gamma-BHC (Lindane)	ND	1.4	5.0	"	"	"	"	"	"	
beta-BHC	ND	2.0	5.0	"	"	"	"	"	"	
delta-BHC	ND	1.3	5.0	"	"	"	"	"	"	
Heptachlor	ND	1.9	5.0	"	"	"	"	04/14/11	"	
Aldrin	ND	1.3	5.0	"	"	"	"	04/14/11	"	
Heptachlor epoxide	ND	1.8	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	1.7	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	1.9	5.0	"	"	"	"	"	"	
Endosulfan I	ND	1.8	5.0	"	"	"	"	"	"	
4,4'-DDE	14	1.3	5.0	"	"	"	"	"	"	
Dieldrin	ND	1.4	5.0	"	"	"	"	"	"	
Endrin	ND	1.5	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	1.4	5.0	"	"	"	"	"	"	
Endosulfan II	ND	1.7	5.0	"	"	"	"	"	"	
4,4'-DDT	5.3	2.1	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	2.0	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.7	5.0	"	"	"	"	"	"	
Methoxychlor	ND	2.2	10	"	"	"	"	"	"	
Endrin ketone	ND	2.6	5.0	"	"	"	"	"	"	
Toxaphene	ND	15	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene			101 %	35-140		"	"	"	"	
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Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	ND		10	ug/kg	1	1041106	04/11/11	04/12/11	EPA 8082	
PCB-1221	ND		10	"	"	"	"	"	"	
PCB-1232	ND		10	"	"	"	"	"	"	
PCB-1242	ND		10	"	"	"	"	"	"	
PCB-1248	ND		10	"	"	"	"	"	"	
PCB-1254	ND		10	"	"	"	"	"	"	
PCB-1260	ND		10	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 130 % 35-140 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/12/11	EPA 8260B	
Bromochloromethane	ND		5.0	"	"	"	"	"	"	
Bromodichloromethane	ND		5.0	"	"	"	"	"	"	
Bromoform	ND		5.0	"	"	"	"	"	"	
Bromomethane	ND		5.0	"	"	"	"	"	"	
n-Butylbenzene	ND		5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		5.0	"	"	"	"	"	"	
Chlorobenzene	ND		5.0	"	"	"	"	"	"	
Chloroethane	ND		5.0	"	"	"	"	"	"	
Chloroform	ND		5.0	"	"	"	"	"	"	
Chloromethane	ND		5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
Dibromochloromethane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		5.0	"	"	"	"	"	"	
Dibromomethane	ND		5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		5.0	"	"	"	"	"	"	

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RMA Group of Northern California
 257 Wright Brothers Ave.
 Livermore CA, 94551

Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 4
T110416-22(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloroethane	ND		5.0	ug/kg	1	1041113	04/11/11	04/12/11	EPA 8260B	
1,2-Dichloroethane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND		5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND		5.0	"	"	"	"	"	"	
Isopropylbenzene	ND		5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		5.0	"	"	"	"	"	"	
Methylene chloride	ND		5.0	"	"	"	"	"	"	
Naphthalene	ND		5.0	"	"	"	"	"	"	
n-Propylbenzene	ND		5.0	"	"	"	"	"	"	
Styrene	ND		5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
Tetrachloroethene	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.0	"	"	"	"	"	"	
Trichloroethene	ND		5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
Vinyl chloride	ND		5.0	"	"	"	"	"	"	
Benzene	ND		5.0	"	"	"	"	"	"	
Toluene	ND		5.0	"	"	"	"	"	"	

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RMA Group of Northern California
257 Wright Brothers Ave.
Livermore CA, 94551

Project: Union City TOD
Project Number: 11-092-P
Project Manager: Simon Makdessi

Reported:
04/18/11 14:28

COMP 4
T110416-22(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Ethylbenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/12/11	EPA 8260B	
m,p-Xylene	ND		5.0	"	"	"	"	"	"	
o-Xylene	ND		5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		20	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			105 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>			100 %	90-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>			99.0 %	85-115		"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Carbazole	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Aniline	ND		300	"	"	"	"	"	"	
Phenol	ND		1000	"	"	"	"	"	"	
2-Chlorophenol	ND		1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND		300	"	"	"	"	"	"	
2-Methylnaphthalene	ND		300	"	"	"	"	"	"	
Acenaphthene	ND		300	"	"	"	"	"	"	
4-Nitrophenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND		300	"	"	"	"	"	"	
Pentachlorophenol	ND		1000	"	"	"	"	"	"	
Pyrene	ND		300	"	"	"	"	"	"	
Acenaphthylene	ND		300	"	"	"	"	"	"	
Anthracene	ND		300	"	"	"	"	"	"	
Benzo (a) anthracene	ND		300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND		300	"	"	"	"	"	"	
Benzyl alcohol	ND		300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND		300	"	"	"	"	"	"	

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 4
T110416-22(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bis(2-chloroethyl)ether	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND		300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND		300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND		300	"	"	"	"	"	"	
4-Chloroaniline	ND		300	"	"	"	"	"	"	
2-Chloronaphthalene	ND		300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Chrysene	ND		300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		300	"	"	"	"	"	"	
Dibenzofuran	ND		300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND		300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND		1000	"	"	"	"	"	"	
Diethyl phthalate	ND		300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND		1000	"	"	"	"	"	"	
Dimethyl phthalate	ND		300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND		1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND		1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND		300	"	"	"	"	"	"	
Fluoranthene	ND		300	"	"	"	"	"	"	
Fluorene	ND		300	"	"	"	"	"	"	
Hexachlorobenzene	ND		1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND		300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND		1000	"	"	"	"	"	"	
Hexachloroethane	ND		300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		300	"	"	"	"	"	"	
Isophorone	ND		300	"	"	"	"	"	"	
2-Methylphenol	ND		1000	"	"	"	"	"	"	
4-Methylphenol	ND		1000	"	"	"	"	"	"	
Naphthalene	ND		300	"	"	"	"	"	"	

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 Project Manager: Simon Makdessi

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COMP 4
T110416-22(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

2-Nitroaniline	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
3-Nitroaniline	ND		300	"	"	"	"	"	"	
4-Nitroaniline	ND		300	"	"	"	"	"	"	
Nitrobenzene	ND		1000	"	"	"	"	"	"	
2-Nitrophenol	ND		1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND		300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
Phenanthrene	ND		300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND		1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol			29.8 %	14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6			31.9 %	12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5			38.4 %	21.3-119		"	"	"	"	
Surrogate: 2-Fluorobiphenyl			38.4 %	32.4-102		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol			33.5 %	18.1-101		"	"	"	"	
Surrogate: Terphenyl-d14			46.1 %	29.1-130		"	"	"	"	

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RMA Group of Northern California 257 Wright Brothers Ave. Livermore CA, 94551	Project: Union City TOD Project Number: 11-092-P Project Manager: Simon Makdessi	Reported: 04/18/11 14:28
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COMP 5
T110416-23(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND		500	ug/kg	1	1041116	04/11/11	04/12/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>			101 %	72.6-146		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015C

C13-C28 (DRO)	ND		10	mg/kg	1	1041108	04/11/11	04/14/11	EPA 8015C	
C29-C40 (MORO)	ND		10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>			92.4 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND		3.0	mg/kg	1	1041111	04/11/11	04/14/11	EPA 6010B	
Silver	ND		2.0	"	"	"	"	"	"	
Arsenic	5.3		5.0	"	"	"	"	"	"	
Barium	160		1.0	"	"	"	"	"	"	
Beryllium	ND		1.0	"	"	"	"	04/14/11	"	
Cadmium	ND		2.0	"	"	"	"	04/14/11	"	
Chromium	46		2.0	"	"	"	"	"	"	
Cobalt	12		2.0	"	"	"	"	"	"	
Copper	37		1.0	"	"	"	"	"	"	
Lead	19		3.0	"	"	"	"	"	"	
Molybdenum	ND		1.0	"	"	"	"	"	"	
Nickel	45		2.0	"	"	"	"	"	"	
Selenium	ND		5.0	"	"	"	"	"	"	
Thallium	ND		2.0	"	"	"	"	"	"	
Vanadium	50		5.0	"	"	"	"	"	"	
Zinc	100		1.0	"	"	"	"	"	"	

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 5
T110416-23(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Cold Vapor Extraction EPA 7470/7471

Mercury	ND		0.10	mg/kg	1	1041110	04/11/11	04/12/11	EPA 7471A Soil	
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	1.4	5.0	ug/kg	1	1041301	04/13/11	04/14/11	EPA 8081A	
gamma-BHC (Lindane)	ND	1.4	5.0	"	"	"	"	"	"	"
beta-BHC	ND	2.0	5.0	"	"	"	"	"	"	"
delta-BHC	ND	1.3	5.0	"	"	"	"	"	"	"
Heptachlor	ND	1.9	5.0	"	"	"	"	"	"	"
Aldrin	ND	1.3	5.0	"	"	"	"	"	"	"
Heptachlor epoxide	ND	1.8	5.0	"	"	"	"	"	"	"
gamma-Chlordane	ND	1.7	5.0	"	"	"	"	"	"	"
alpha-Chlordane	ND	1.9	5.0	"	"	"	"	"	"	"
Endosulfan I	ND	1.8	5.0	"	"	"	"	"	"	"
4,4'-DDE	23	1.3	5.0	"	"	"	"	"	"	"
Dieldrin	ND	1.4	5.0	"	"	"	"	"	"	"
Endrin	ND	1.5	5.0	"	"	"	"	"	"	"
4,4'-DDD	ND	1.4	5.0	"	"	"	"	"	"	"
Endosulfan II	ND	1.7	5.0	"	"	"	"	"	"	"
4,4'-DDT	6.0	2.1	5.0	"	"	"	"	"	"	"
Endrin aldehyde	ND	2.0	5.0	"	"	"	"	"	"	"
Endosulfan sulfate	ND	1.7	5.0	"	"	"	"	"	"	"
Methoxychlor	ND	2.2	10	"	"	"	"	"	"	"
Endrin ketone	ND	2.6	5.0	"	"	"	"	"	"	"
Toxaphene	ND	15	200	"	"	"	"	"	"	"

Surrogate: Tetrachloro-meta-xylene 118 % 35-140 " " " "

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 5
T110416-23(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	ND		10	ug/kg	1	1041106	04/11/11	04/12/11	EPA 8082	
PCB-1221	ND		10	"	"	"	"	"	"	
PCB-1232	ND		10	"	"	"	"	"	"	
PCB-1242	ND		10	"	"	"	"	"	"	
PCB-1248	ND		10	"	"	"	"	"	"	
PCB-1254	ND		10	"	"	"	"	"	"	
PCB-1260	ND		10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>			164 %	35-140		"	"	"	"	S-04

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/12/11	EPA 8260B	
Bromochloromethane	ND		5.0	"	"	"	"	"	"	
Bromodichloromethane	ND		5.0	"	"	"	"	"	"	
Bromoform	ND		5.0	"	"	"	"	"	"	
Bromomethane	ND		5.0	"	"	"	"	"	"	
n-Butylbenzene	ND		5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		5.0	"	"	"	"	"	"	
Chlorobenzene	ND		5.0	"	"	"	"	"	"	
Chloroethane	ND		5.0	"	"	"	"	"	"	
Chloroform	ND		5.0	"	"	"	"	"	"	
Chloromethane	ND		5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		5.0	"	"	"	"	"	"	
Dibromochloromethane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		5.0	"	"	"	"	"	"	
Dibromomethane	ND		5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		5.0	"	"	"	"	"	"	

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RMA Group of Northern California
 257 Wright Brothers Ave.
 Livermore CA, 94551

Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

COMP 5
T110416-23(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloroethane	ND		5.0	ug/kg	1	1041113	04/11/11	04/12/11	EPA 8260B	
1,2-Dichloroethane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND		5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND		5.0	"	"	"	"	"	"	
Isopropylbenzene	ND		5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		5.0	"	"	"	"	"	"	
Methylene chloride	ND		5.0	"	"	"	"	"	"	
Naphthalene	ND		5.0	"	"	"	"	"	"	
n-Propylbenzene	ND		5.0	"	"	"	"	"	"	
Styrene	ND		5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		5.0	"	"	"	"	"	"	
Tetrachloroethene	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.0	"	"	"	"	"	"	
Trichloroethene	ND		5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
Vinyl chloride	ND		5.0	"	"	"	"	"	"	
Benzene	ND		5.0	"	"	"	"	"	"	
Toluene	ND		5.0	"	"	"	"	"	"	

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Project Number: 11-092-P
Project Manager: Simon Makdessi

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COMP 5
T110416-23(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Ethylbenzene	ND		5.0	ug/kg	1	1041113	04/11/11	04/12/11	EPA 8260B	
m,p-Xylene	ND		5.0	"	"	"	"	"	"	
o-Xylene	ND		5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		20	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>			102 %	90-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>			99.8 %	85-115		"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Carbazole	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Aniline	ND		300	"	"	"	"	"	"	
Phenol	ND		1000	"	"	"	"	"	"	
2-Chlorophenol	ND		1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND		300	"	"	"	"	"	"	
2-Methylnaphthalene	ND		300	"	"	"	"	"	"	
Acenaphthene	ND		300	"	"	"	"	"	"	
4-Nitrophenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND		300	"	"	"	"	"	"	
Pentachlorophenol	ND		1000	"	"	"	"	"	"	
Pyrene	ND		300	"	"	"	"	"	"	
Acenaphthylene	ND		300	"	"	"	"	"	"	
Anthracene	ND		300	"	"	"	"	"	"	
Benzo (a) anthracene	ND		300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND		300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND		300	"	"	"	"	"	"	
Benzyl alcohol	ND		300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND		300	"	"	"	"	"	"	

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Project: Union City TOD
Project Number: 11-092-P
Project Manager: Simon Makdessi

Reported:
04/18/11 14:28

COMP 5
T110416-23(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bis(2-chloroethyl)ether	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND		300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND		300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND		300	"	"	"	"	"	"	
4-Chloroaniline	ND		300	"	"	"	"	"	"	
2-Chloronaphthalene	ND		300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND		300	"	"	"	"	"	"	
Chrysene	ND		300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		300	"	"	"	"	"	"	
Dibenzofuran	ND		300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND		300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND		1000	"	"	"	"	"	"	
Diethyl phthalate	ND		300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND		1000	"	"	"	"	"	"	
Dimethyl phthalate	ND		300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND		1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND		1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND		1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND		300	"	"	"	"	"	"	
Fluoranthene	ND		300	"	"	"	"	"	"	
Fluorene	ND		300	"	"	"	"	"	"	
Hexachlorobenzene	ND		1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND		300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND		1000	"	"	"	"	"	"	
Hexachloroethane	ND		300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		300	"	"	"	"	"	"	
Isophorone	ND		300	"	"	"	"	"	"	
2-Methylphenol	ND		1000	"	"	"	"	"	"	
4-Methylphenol	ND		1000	"	"	"	"	"	"	
Naphthalene	ND		300	"	"	"	"	"	"	

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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COMP 5
T110416-23(Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

2-Nitroaniline	ND		300	ug/kg	1	1041117	04/11/11	04/14/11	EPA 8270C	
3-Nitroaniline	ND		300	"	"	"	"	"	"	
4-Nitroaniline	ND		300	"	"	"	"	"	"	
Nitrobenzene	ND		1000	"	"	"	"	"	"	
2-Nitrophenol	ND		1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND		300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND		300	"	"	"	"	"	"	
Phenanthrene	ND		300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND		1000	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>			40.1 %		14.3-83.1	"	"	"	"	
<i>Surrogate: Phenol-d6</i>			42.8 %		12-95.6	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>			49.8 %		21.3-119	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>			48.2 %		32.4-102	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>			45.7 %		18.1-101	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>			60.5 %		29.1-130	"	"	"	"	

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041116 - EPA 5030 GC

Blank (1041116-BLK1)

Prepared: 04/11/11 Analyzed: 04/12/11

Surrogate: 4-Bromofluorobenzene	235			ug/kg	250		94.0	72.6-146			
C6-C12 (GRO)	ND		500	"							

LCS (1041116-BS1)

Prepared: 04/11/11 Analyzed: 04/12/11

Surrogate: 4-Bromofluorobenzene	254			ug/kg	250		102	72.6-146			
C6-C12 (GRO)	12600		500	"	13800		91.5	75-125			

LCS Dup (1041116-BSD1)

Prepared: 04/11/11 Analyzed: 04/12/11

Surrogate: 4-Bromofluorobenzene	257			ug/kg	250		103	72.6-146			
C6-C12 (GRO)	12700		500	"	13800		92.2	75-125	0.779	20	

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

Extractable Petroleum Hydrocarbons by 8015C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041108 - EPA 3550B GC

Blank (1041108-BLK1)

Prepared: 04/11/11 Analyzed: 04/14/11

Surrogate: <i>p</i> -Terphenyl	75.8			mg/kg	100		75.8	65-135			
C13-C28 (DRO)	ND		10	"							
C29-C40 (MORO)	ND		10	"							

LCS (1041108-BS1)

Prepared: 04/11/11 Analyzed: 04/14/11

Surrogate: <i>p</i> -Terphenyl	77.2			mg/kg	100		77.2	65-135			
C13-C28 (DRO)	440		10	"	500		89.0	75-125			

LCS Dup (1041108-BSD1)

Prepared: 04/11/11 Analyzed: 04/14/11

Surrogate: <i>p</i> -Terphenyl	82.5			mg/kg	100		82.5	65-135			
C13-C28 (DRO)	490		10	"	500		98.5	75-125	10.2	20	

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041111 - EPA 3051

Blank (1041111-BLK1)

Prepared: 04/11/11 Analyzed: 04/14/11

Antimony	ND		3.0	mg/kg							
Silver	ND		2.0	"							
Arsenic	ND		5.0	"							
Barium	ND		1.0	"							
Beryllium	ND		1.0	"							
Cadmium	ND		2.0	"							
Chromium	ND		2.0	"							
Cobalt	ND		2.0	"							
Copper	ND		1.0	"							
Lead	ND		3.0	"							
Molybdenum	1.10		1.0	"							QB-01
Nickel	ND		2.0	"							
Selenium	ND		5.0	"							
Thallium	ND		2.0	"							
Vanadium	ND		5.0	"							
Zinc	ND		1.0	"							

LCS (1041111-BS1)

Prepared: 04/11/11 Analyzed: 04/14/11

Arsenic	98.7		5.0	mg/kg	100		98.7	75-125			
Barium	98.4		1.0	"	100		98.4	75-125			
Cadmium	95.7		2.0	"	100		95.7	75-125			
Chromium	99.2		2.0	"	100		99.2	75-125			
Lead	99.8		3.0	"	100		99.8	75-125			

LCS Dup (1041111-BSD1)

Prepared: 04/11/11 Analyzed: 04/14/11

Arsenic	93.9		5.0	mg/kg	100		93.9	75-125	4.99	20	
Barium	92.3		1.0	"	100		92.3	75-125	6.40	20	
Cadmium	89.6		2.0	"	100		89.6	75-125	6.61	20	
Chromium	92.3		2.0	"	100		92.3	75-125	7.13	20	

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Metals by EPA 6010B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041111 - EPA 3051

LCS Dup (1041111-BSD1)

Prepared: 04/11/11 Analyzed: 04/14/11

Lead	93.5		3.0	mg/kg	100		93.5	75-125	6.52	20	
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Cold Vapor Extraction EPA 7470/7471 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1041110 - EPA 7471A Soil											
Blank (1041110-BLK1) Prepared: 04/11/11 Analyzed: 04/12/11											
Mercury	ND		0.10	mg/kg							
LCS (1041110-BS1) Prepared: 04/11/11 Analyzed: 04/12/11											
Mercury	0.369		0.10	mg/kg	0.417		88.5	80-120			
LCS Dup (1041110-BSD1) Prepared: 04/11/11 Analyzed: 04/12/11											
Mercury	0.370		0.10	mg/kg	0.417		88.8	80-120	0.393	20	

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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Organochlorine Pesticides by EPA Method 8081A - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041301 - EPA 3550 ECD/GCMS

Blank (1041301-BLK1)

Prepared: 04/13/11 Analyzed: 04/14/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	108			ug/kg	100		108	35-140			
alpha-BHC	ND	1.4	5.0	"							
gamma-BHC (Lindane)	ND	1.4	5.0	"							
beta-BHC	ND	2.0	5.0	"							
delta-BHC	ND	1.3	5.0	"							
Heptachlor	ND	1.9	5.0	"							
Aldrin	ND	1.3	5.0	"							
Heptachlor epoxide	ND	1.8	5.0	"							
gamma-Chlordane	ND	1.7	5.0	"							
alpha-Chlordane	ND	1.9	5.0	"							
Endosulfan I	ND	1.8	5.0	"							
4,4'-DDE	ND	1.3	5.0	"							
Dieldrin	ND	1.4	5.0	"							
Endrin	ND	1.5	5.0	"							
4,4'-DDD	ND	1.4	5.0	"							
Endosulfan II	ND	1.7	5.0	"							
4,4'-DDT	ND	2.1	5.0	"							
Endrin aldehyde	ND	2.0	5.0	"							
Endosulfan sulfate	ND	1.7	5.0	"							
Methoxychlor	ND	2.2	10	"							
Endrin ketone	ND	2.6	5.0	"							
Toxaphene	ND	15	200	"							

LCS (1041301-BS1)

Prepared: 04/13/11 Analyzed: 04/14/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	91.9			ug/kg	100		91.9	35-140			
gamma-BHC (Lindane)	222	1.4	5.0	"	200		111	40-120			
Heptachlor	229	1.9	5.0	"	200		115	40-120			
Aldrin	217	1.3	5.0	"	200		108	40-120			

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

Organochlorine Pesticides by EPA Method 8081A - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041301 - EPA 3550 ECD/GCMS

LCS (1041301-BS1)

Prepared: 04/13/11 Analyzed: 04/14/11

Dieldrin	219	1.4	5.0	ug/kg	200		109	40-120			
Endrin	223	1.5	5.0	"	200		112	40-120			
4,4'-DDT	212	2.1	5.0	"	200		106	33-147			

LCS Dup (1041301-BSD1)

Prepared: 04/13/11 Analyzed: 04/14/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	91.9			ug/kg	100		91.9	35-140			
gamma-BHC (Lindane)	216	1.4	5.0	"	200		108	40-120	2.75	30	
Heptachlor	224	1.9	5.0	"	200		112	40-120	2.29	30	
Aldrin	214	1.3	5.0	"	200		107	40-120	1.50	30	
Dieldrin	213	1.4	5.0	"	200		107	40-120	2.64	30	
Endrin	216	1.5	5.0	"	200		108	40-120	3.22	30	
4,4'-DDT	206	2.1	5.0	"	200		103	33-147	2.84	30	

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RMA Group of Northern California
 257 Wright Brothers Ave.
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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041106 - EPA 3550 ECD/GCMS

Blank (1041106-BLK1)

Prepared: 04/11/11 Analyzed: 04/12/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	12.4			ug/kg	10.0		124	35-140			
PCB-1016	ND		10	"							
PCB-1221	ND		10	"							
PCB-1232	ND		10	"							
PCB-1242	ND		10	"							
PCB-1248	ND		10	"							
PCB-1254	ND		10	"							
PCB-1260	ND		10	"							

LCS (1041106-BS1)

Prepared: 04/11/11 Analyzed: 04/12/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	12.5			ug/kg	10.0		125	35-140			
PCB-1016	86.8		10	"	100		86.8	40-130			
PCB-1260	73.2		10	"	100		73.2	40-130			

LCS Dup (1041106-BSD1)

Prepared: 04/11/11 Analyzed: 04/12/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	11.2			ug/kg	10.0		112	35-140			
PCB-1016	62.2		10	"	100		62.2	40-130	33.0	30	QR-02
PCB-1260	67.2		10	"	100		67.2	40-130	8.57	30	

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041113 - EPA 5030 GCMS

Blank (1041113-BLK1)

Prepared & Analyzed: 04/11/11

Surrogate: 4-Bromofluorobenzene	43.9			ug/kg	40.0		110	75.1-121			
Surrogate: Dibromofluoromethane	39.8			"	40.0		99.6	90-135			
Surrogate: Toluene-d8	39.3			"	40.0		98.2	85-115			
Bromobenzene	ND		5.0	"							
Bromochloromethane	ND		5.0	"							
Bromodichloromethane	ND		5.0	"							
Bromoform	ND		5.0	"							
Bromomethane	ND		5.0	"							
n-Butylbenzene	ND		5.0	"							
sec-Butylbenzene	ND		5.0	"							
tert-Butylbenzene	ND		5.0	"							
Carbon tetrachloride	ND		5.0	"							
Chlorobenzene	ND		5.0	"							
Chloroethane	ND		5.0	"							
Chloroform	ND		5.0	"							
Chloromethane	ND		5.0	"							
2-Chlorotoluene	ND		5.0	"							
4-Chlorotoluene	ND		5.0	"							
Dibromochloromethane	ND		5.0	"							
1,2-Dibromo-3-chloropropane	ND		5.0	"							
1,2-Dibromoethane (EDB)	ND		5.0	"							
Dibromomethane	ND		5.0	"							
1,2-Dichlorobenzene	ND		5.0	"							
1,3-Dichlorobenzene	ND		5.0	"							
1,4-Dichlorobenzene	ND		5.0	"							
Dichlorodifluoromethane	ND		5.0	"							
1,1-Dichloroethane	ND		5.0	"							

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041113 - EPA 5030 GCMS

Blank (1041113-BLK1)

Prepared & Analyzed: 04/11/11

1,2-Dichloroethane	ND		5.0	ug/kg							
1,1-Dichloroethene	ND		5.0	"							
cis-1,2-Dichloroethene	ND		5.0	"							
trans-1,2-Dichloroethene	ND		5.0	"							
1,2-Dichloropropane	ND		5.0	"							
1,3-Dichloropropane	ND		5.0	"							
2,2-Dichloropropane	ND		5.0	"							
1,1-Dichloropropene	ND		5.0	"							
cis-1,3-Dichloropropene	ND		5.0	"							
trans-1,3-Dichloropropene	ND		5.0	"							
Hexachlorobutadiene	ND		5.0	"							
Isopropylbenzene	ND		5.0	"							
p-Isopropyltoluene	ND		5.0	"							
Methylene chloride	ND		5.0	"							
Naphthalene	ND		5.0	"							
n-Propylbenzene	ND		5.0	"							
Styrene	ND		5.0	"							
1,1,2,2-Tetrachloroethane	ND		5.0	"							
1,1,1,2-Tetrachloroethane	ND		5.0	"							
Tetrachloroethene	ND		5.0	"							
1,2,3-Trichlorobenzene	ND		5.0	"							
1,2,4-Trichlorobenzene	ND		5.0	"							
1,1,2-Trichloroethane	ND		5.0	"							
1,1,1-Trichloroethane	ND		5.0	"							
Trichloroethene	ND		5.0	"							
Trichlorofluoromethane	ND		5.0	"							
1,2,3-Trichloropropane	ND		5.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041113 - EPA 5030 GCMS

Blank (1041113-BLK1)

Prepared & Analyzed: 04/11/11

1,3,5-Trimethylbenzene	ND		5.0	ug/kg							
1,2,4-Trimethylbenzene	ND		5.0	"							
Vinyl chloride	ND		5.0	"							
Benzene	ND		5.0	"							
Toluene	ND		5.0	"							
Ethylbenzene	ND		5.0	"							
m,p-Xylene	ND		5.0	"							
o-Xylene	ND		5.0	"							
Methyl tert-butyl ether	ND		20	"							

LCS (1041113-BS1)

Prepared & Analyzed: 04/11/11

Surrogate: 4-Bromofluorobenzene	40.8			ug/kg	40.0		102	75.1-121			
Surrogate: Dibromofluoromethane	38.4			"	40.0		95.9	90-135			
Surrogate: Toluene-d8	38.8			"	40.0		96.9	85-115			
Chlorobenzene	102		5.0	"	100		102	75-125			
1,1-Dichloroethene	92.7		5.0	"	100		92.7	75-125			
Trichloroethene	91.7		5.0	"	100		91.7	75-125			
Benzene	90.2		5.0	"	100		90.2	75-125			
Toluene	92.9		5.0	"	100		92.9	75-125			

LCS Dup (1041113-BSD1)

Prepared & Analyzed: 04/11/11

Surrogate: 4-Bromofluorobenzene	42.0			ug/kg	40.0		105	75.1-121			
Surrogate: Dibromofluoromethane	39.4			"	40.0		98.6	90-135			
Surrogate: Toluene-d8	39.8			"	40.0		99.4	85-115			
Chlorobenzene	102		5.0	"	100		102	75-125	0.0979	20	
1,1-Dichloroethene	93.2		5.0	"	100		93.2	75-125	0.538	20	
Trichloroethene	95.0		5.0	"	100		95.0	75-125	3.54	20	
Benzene	91.8		5.0	"	100		91.8	75-125	1.81	20	
Toluene	95.1		5.0	"	100		95.1	75-125	2.34	20	

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041117 - EPA 3550 ECD/GCMS

Blank (1041117-BLK1)

Prepared: 04/11/11 Analyzed: 04/13/11

Surrogate: 2-Fluorophenol	670			ug/kg	1670		40.2	14.3-83.1			
Surrogate: Phenol-d6	689			"	1670		41.3	12-95.6			
Surrogate: Nitrobenzene-d5	840			"	1670		50.4	21.3-119			
Surrogate: 2-Fluorobiphenyl	874			"	1670		52.5	32.4-102			
Surrogate: 2,4,6-Tribromophenol	719			"	1670		43.1	18.1-101			
Surrogate: Terphenyl-d14	1150			"	1670		69.1	29.1-130			
Carbazole	ND		300	"							
Aniline	ND		300	"							
Phenol	ND		1000	"							
2-Chlorophenol	ND		1000	"							
1,4-Dichlorobenzene	ND		300	"							
N-Nitrosodi-n-propylamine	ND		300	"							
1,2,4-Trichlorobenzene	ND		300	"							
4-Chloro-3-methylphenol	ND		1000	"							
1-Methylnaphthalene	ND		300	"							
2-Methylnaphthalene	ND		300	"							
Acenaphthene	ND		300	"							
4-Nitrophenol	ND		1000	"							
2,4-Dinitrotoluene	ND		300	"							
Pentachlorophenol	ND		1000	"							
Pyrene	ND		300	"							
Acenaphthylene	ND		300	"							
Anthracene	ND		300	"							
Benzo (a) anthracene	ND		300	"							
Benzo (b) fluoranthene	ND		300	"							
Benzo (k) fluoranthene	ND		300	"							
Benzo (g,h,i) perylene	ND		1000	"							

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Project: Union City TOD
 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
 04/18/11 14:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1041117 - EPA 3550 ECD/GCMS

Blank (1041117-BLK1)

Prepared: 04/11/11 Analyzed: 04/13/11

Benzo (a) pyrene	ND		300	ug/kg							
Benzyl alcohol	ND		300	"							
Bis(2-chloroethoxy)methane	ND		300	"							
Bis(2-chloroethyl)ether	ND		300	"							
Bis(2-chloroisopropyl)ether	ND		300	"							
Bis(2-ethylhexyl)phthalate	ND		300	"							
4-Bromophenyl phenyl ether	ND		300	"							
Butyl benzyl phthalate	ND		300	"							
4-Chloroaniline	ND		300	"							
2-Chloronaphthalene	ND		300	"							
4-Chlorophenyl phenyl ether	ND		300	"							
Chrysene	ND		300	"							
Dibenz (a,h) anthracene	ND		300	"							
Dibenzofuran	ND		300	"							
Di-n-butyl phthalate	ND		300	"							
1,2-Dichlorobenzene	ND		300	"							
1,3-Dichlorobenzene	ND		300	"							
2,4-Dichlorophenol	ND		1000	"							
Diethyl phthalate	ND		300	"							
2,4-Dimethylphenol	ND		1000	"							
Dimethyl phthalate	ND		300	"							
4,6-Dinitro-2-methylphenol	ND		1000	"							
2,4-Dinitrophenol	ND		1000	"							
2,6-Dinitrotoluene	ND		1000	"							
Di-n-octyl phthalate	ND		300	"							
Fluoranthene	ND		300	"							
Fluorene	ND		300	"							

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Reported:
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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041117 - EPA 3550 ECD/GCMS

Blank (1041117-BLK1)

Prepared: 04/11/11 Analyzed: 04/13/11

Hexachlorobenzene	ND		1500	ug/kg							
Hexachlorobutadiene	ND		300	"							
Hexachlorocyclopentadiene	ND		1000	"							
Hexachloroethane	ND		300	"							
Indeno (1,2,3-cd) pyrene	ND		300	"							
Isophorone	ND		300	"							
2-Methylphenol	ND		1000	"							
4-Methylphenol	ND		1000	"							
Naphthalene	ND		300	"							
2-Nitroaniline	ND		300	"							
3-Nitroaniline	ND		300	"							
4-Nitroaniline	ND		300	"							
Nitrobenzene	ND		1000	"							
2-Nitrophenol	ND		1000	"							
N-Nitrosodimethylamine	ND		300	"							
N-Nitrosodiphenylamine	ND		300	"							
2,3,5,6-Tetrachlorophenol	ND		300	"							
2,3,4,6-Tetrachlorophenol	ND		300	"							
Phenanthrene	ND		300	"							
2,4,5-Trichlorophenol	ND		1000	"							
2,4,6-Trichlorophenol	ND		1000	"							

LCS (1041117-BS1)

Prepared: 04/11/11 Analyzed: 04/13/11

Surrogate: 2-Fluorophenol	676		ug/kg	1670	40.6	14.3-83.1
Surrogate: Phenol-d6	810		"	1670	48.6	12-95.6
Surrogate: Nitrobenzene-d5	884		"	1670	53.0	21.3-119
Surrogate: 2-Fluorobiphenyl	921		"	1670	55.2	32.4-102
Surrogate: 2,4,6-Tribromophenol	888		"	1670	53.3	18.1-101

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 Project Manager: Simon Makdessi

Reported:
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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041117 - EPA 3550 ECD/GCMS

LCS (1041117-BS1)

Prepared: 04/11/11 Analyzed: 04/13/11

<i>Surrogate: Terphenyl-d14</i>	1130			ug/kg	1670		68.1	29.1-130			
Phenol	788		1000	"	1670		47.3	25.9-102			
2-Chlorophenol	958		1000	"	1670		57.5	37.1-110			
1,4-Dichlorobenzene	859		300	"	1670		51.5	36-97			
N-Nitrosodi-n-propylamine	879		300	"	1670		52.7	30.8-81.8			
1,2,4-Trichlorobenzene	880		300	"	1670		52.8	39-98			
4-Chloro-3-methylphenol	939		1000	"	1670		56.4	33.1-109			
Acenaphthene	1010		300	"	1670		60.8	38.9-79.4			
4-Nitrophenol	597		1000	"	1670		35.8	14-103			
2,4-Dinitrotoluene	972		300	"	1670		58.3	24-96			
Pentachlorophenol	682		1000	"	1670		40.9	8.05-120			
Pyrene	939		300	"	1670		56.3	25-85.2			

LCS Dup (1041117-BSD1)

Prepared: 04/11/11 Analyzed: 04/13/11

<i>Surrogate: 2-Fluorophenol</i>	672			ug/kg	1670		40.3	14.3-83.1			
<i>Surrogate: Phenol-d6</i>	754			"	1670		45.2	12-95.6			
<i>Surrogate: Nitrobenzene-d5</i>	868			"	1670		52.1	21.3-119			
<i>Surrogate: 2-Fluorobiphenyl</i>	877			"	1670		52.6	32.4-102			
<i>Surrogate: 2,4,6-Tribromophenol</i>	806			"	1670		48.3	18.1-101			
<i>Surrogate: Terphenyl-d14</i>	1160			"	1670		69.7	29.1-130			
Phenol	745		1000	"	1670		44.7	25.9-102	5.70	42	
2-Chlorophenol	953		1000	"	1670		57.2	37.1-110	0.593	40	
1,4-Dichlorobenzene	850		300	"	1670		51.0	36-97	1.05	28	
N-Nitrosodi-n-propylamine	873		300	"	1670		52.4	30.8-81.8	0.685	38	
1,2,4-Trichlorobenzene	869		300	"	1670		52.1	39-98	1.30	28	
4-Chloro-3-methylphenol	951		1000	"	1670		57.0	33.1-109	1.20	42	
Acenaphthene	1000		300	"	1670		60.2	38.9-79.4	1.02	31	
4-Nitrophenol	880		1000	"	1670		52.8	14-103	38.2	50	

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 Project Number: 11-092-P
 Project Manager: Simon Makdessi

Reported:
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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041117 - EPA 3550 ECD/GCMS

LCS Dup (1041117-BSD1)

Prepared: 04/11/11 Analyzed: 04/13/11

2,4-Dinitrotoluene	952		300	ug/kg	1670		57.1	24-96	2.08	38	
Pentachlorophenol	695		1000	"	1670		41.7	8.05-120	1.89	50	
Pyrene	985		300	"	1670		59.1	25-85.2	4.75	31	

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RMA Group of Northern California
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Livermore CA, 94551

Project: Union City TOD
Project Number: 11-092-P
Project Manager: Simon Makdessi

Reported:
04/18/11 14:28

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QB-01 The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.
 25712 Commercecentre Dr
 Lake Forest, CA 92630
 949-297-5020

Chain of Custody Record

Client: RMA Group

Address: 6296 San Ignacio Ave, Ste A SJ CA 95119
 Phone: 408 362 4920 Fax: 408 362 4926
 Project Manager: Simon Makedessi 925 243-6662

Date: 4/7/11 Page: 1 of 2
 Project Name: Union City TOD
 Collector: T110916 Batch #: T110916
 Client Project #: 11-092-P EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + MTBE	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) + motor oil w/ silica gel	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	8081	8082	Laboratory ID #	Comments/Preservative	Total # of containers
B-1-1	4/1/11	11:00	Soil	tober												01	Composite	01
B-2-1																02		
B-3-1																03	Composite	03
B-4-1																04		
B-1-2	4/1/11		Soil													05	Composite	05
B-2-2																06		
B-3-2																07	Composite	07
B-4-2																08		
Reinquished by: (signature) <u>UFC Docette</u> Date / Time <u>4/8/11 11:14 AM</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 11:21 AM</u>			Reinquished by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 11:14 AM</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 11:21 AM</u>			Total # of containers			Chain of Custody seals Y/N/N/A			Seals intact? Y/N/N/A			Received good condition/could			
Reinquished by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 11:14 AM</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 11:21 AM</u>			Reinquished by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 11:14 AM</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 11:21 AM</u>			Total # of containers			Chain of Custody seals Y/N/N/A			Seals intact? Y/N/N/A			Received good condition/could			
Sample disposal Instructions: Disposal @ \$2.00 each			Return to client			Pickup			Turn around time:									

Notes:
 For pesticides report to MDL. Need to detect to levels down to 2 ppb

STD. TAT

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Chain of Custody Record

Client: RMA Group
 Address: 6296 San Ignacio Ave St A S.J. 95119
 Phone: 408-362-4980 Fax: 408 362-4926
 Project Manager: Simon Makdessi 925 293-6662

Date: 4/7/11 Page: 2 of 2
 Project Name: Union City TOD
 Collector: Union City
 Batch #: T10416 Client Project #: 11-092-P
 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + MTBE	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) ^{+ motor oil} _{W/ silica}	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	8081	8082	Laboratory ID #	Comments/Preservative	Total # of containers						
SP1-1	4/1/11	12:00	Soil	Tube										09	10	11	12	Composite	10					
SP1-2																								
SP1-3																								
SP1-4																								
SP2-1																								
SP2-2																								
SP2-3																								
SP2-4																								
SP2-5																								
SP2-6																								
SP2-7																								
Relinquished by: (signature) <u>Jeff Mante</u> Date / Time <u>4/8/11 11:14 AM</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>4-8-11 11:14 AM</u>					Total # of containers <u>18</u>					Chain of Custody seals Y/N/A <u>Y</u>					Seals intact? Y/N/A <u>Y</u>					Received good condition/cold <u>Y</u>				
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>4/8/11 9:11</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>4-8-11 9:11</u>					Turn around time: _____					Notes: <u>For pesticides report to MTL. Need to defect to levels down to 2ppb</u>														

Sample disposal instructions: Disposal @ \$2.00 each

Return to client _____ Pickup _____

STD. TAT

4/9/11

8c

SAMPLE RECEIVING REVIEW SHEET

BATCH # T110416

Client Name: RMA Group

Project: UNION CITY TOU

Received by: BRIAN

Date/Time Received: 4/9/11 9:11

Delivered by : Client SunStar Courier GSO FedEx Other _____

Total number of coolers received 1 Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 4.3 °C +/- the CF (-0.2°C) = 4.1 °C corrected temperature

cooler #2 _____ °C +/- the CF (-0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (-0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling. Yes No* N/A

Custody Seals Intact on Cooler/Sample Yes No* N/A

Sample Containers Intact Yes No*

Sample labels match COC ID's Yes No*

Total number of containers received match COC Yes No*

Proper containers received for analyses requested on COC Yes No*

Proper preservative indicated on COC/containers for analyses requested Yes No* N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. Yes No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date BC 4/9/11

Comments:
