TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project: BP Carson RW
LWW

Sampled: 07/02/08
Received: 07/02/08
Issued: 07/17/08 09:18

NELAP #01108CA California ELAP#1197 CSDLAC #10256

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: Not all holding times were met. Results were qualified where the sample analysis did not occur within method specified holding time requirements.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

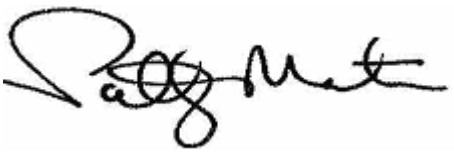
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
IRG0175-01	Outfall 23	Water
IRG0175-02	RW-A	Water
IRG0175-03	RW-B	Water

Reviewed By:



TestAmerica Irvine

Patty Mata
Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

VOLATILE ORGANICS--GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: mg/l									
Acrolein	EPA 8260B	8G03011	0.0040	0.0050	ND	1	07/03/08	07/04/08	
Acrylonitrile	EPA 8260B	8G03011	0.00070	0.0020	ND	1	07/03/08	07/04/08	
2-Chloroethyl vinyl ether	EPA 8260B	8G03011	0.0018	0.0050	ND	1	07/03/08	07/04/08	
Surrogate: 4-Bromofluorobenzene (80-120%)					*95 %*				
Surrogate: Dibromofluoromethane (80-120%)					*112 %*				
Surrogate: Toluene-d8 (80-120%)					*98 %*				
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: mg/l									
Acrolein	EPA 8260B	8G03011	0.0040	0.0050	ND	1	07/03/08	07/04/08	
Acrylonitrile	EPA 8260B	8G03011	0.00070	0.0020	ND	1	07/03/08	07/04/08	
2-Chloroethyl vinyl ether	EPA 8260B	8G03011	0.0018	0.0050	ND	1	07/03/08	07/04/08	
Surrogate: 4-Bromofluorobenzene (80-120%)					*94 %*				
Surrogate: Dibromofluoromethane (80-120%)					*115 %*				
Surrogate: Toluene-d8 (80-120%)					*98 %*				

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Sampled: 07/02/08
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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: mg/l									
Benzene	EPA 8260B	8G03011	0.00028	0.00050	ND	1	07/03/08	07/04/08	
Bromobenzene	EPA 8260B	8G03011	0.00027	0.0010	ND	1	07/03/08	07/04/08	
Bromochloromethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Bromodichloromethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
Bromoform	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Bromomethane	EPA 8260B	8G03011	0.00042	0.0010	ND	1	07/03/08	07/04/08	
n-Butylbenzene	EPA 8260B	8G03011	0.00037	0.0010	ND	1	07/03/08	07/04/08	
tert-Butylbenzene	EPA 8260B	8G03011	0.00022	0.0010	ND	1	07/03/08	07/04/08	
sec-Butylbenzene	EPA 8260B	8G03011	0.00025	0.0010	ND	1	07/03/08	07/04/08	
Carbon tetrachloride	EPA 8260B	8G03011	0.00028	0.00050	ND	1	07/03/08	07/04/08	C, L
Chlorobenzene	EPA 8260B	8G03011	0.00036	0.0010	ND	1	07/03/08	07/04/08	
Chloroethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Chloroform	EPA 8260B	8G03011	0.00033	0.0010	ND	1	07/03/08	07/04/08	
Chloromethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
4-Chlorotoluene	EPA 8260B	8G03011	0.00029	0.0010	ND	1	07/03/08	07/04/08	
2-Chlorotoluene	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dibromo-3-chloropropane	EPA 8260B	8G03011	0.00097	0.0050	ND	1	07/03/08	07/04/08	
Dibromochloromethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dibromoethane (EDB)	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Dibromomethane	EPA 8260B	8G03011	0.00036	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dichlorobenzene	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
1,3-Dichlorobenzene	EPA 8260B	8G03011	0.00035	0.0010	ND	1	07/03/08	07/04/08	
1,4-Dichlorobenzene	EPA 8260B	8G03011	0.00037	0.0010	ND	1	07/03/08	07/04/08	
Dichlorodifluoromethane	EPA 8260B	8G03011	0.00026	0.0020	ND	1	07/03/08	07/04/08	
1,1-Dichloroethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
cis-1,2-Dichloroethene	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
trans-1,2-Dichloroethene	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
1,1-Dichloroethene	EPA 8260B	8G03011	0.00042	0.0010	ND	1	07/03/08	07/04/08	
1,3-Dichloropropane	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
2,2-Dichloropropane	EPA 8260B	8G03011	0.00034	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dichloropropane	EPA 8260B	8G03011	0.00035	0.0010	ND	1	07/03/08	07/04/08	
cis-1,3-Dichloropropene	EPA 8260B	8G03011	0.00022	0.00050	ND	1	07/03/08	07/04/08	
trans-1,3-Dichloropropene	EPA 8260B	8G03011	0.00032	0.00050	ND	1	07/03/08	07/04/08	
1,1-Dichloropropene	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
Ethylbenzene	EPA 8260B	8G03011	0.00025	0.00050	ND	1	07/03/08	07/04/08	
1,2-Dichloroethane	EPA 8260B	8G03011	0.00028	0.00050	ND	1	07/03/08	07/04/08	
Hexachlorobutadiene	EPA 8260B	8G03011	0.00038	0.0010	ND	1	07/03/08	07/04/08	
Isopropylbenzene	EPA 8260B	8G03011	0.00025	0.0010	ND	1	07/03/08	07/04/08	
p-Isopropyltoluene	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
Methylene chloride	EPA 8260B	8G03011	0.00095	0.0050	ND	1	07/03/08	07/04/08	
Naphthalene	EPA 8260B	8G03011	0.00041	0.0010	ND	1	07/03/08	07/04/08	

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water) - cont.									
Reporting Units: mg/l									
n-Propylbenzene	EPA 8260B	8G03011	0.00027	0.0010	ND	1	07/03/08	07/04/08	
Styrene	EPA 8260B	8G03011	0.00020	0.0010	ND	1	07/03/08	07/04/08	
1,1,1,2-Tetrachloroethane	EPA 8260B	8G03011	0.00027	0.0010	ND	1	07/03/08	07/04/08	
1,1,2,2-Tetrachloroethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
Tetrachloroethene	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
Toluene	EPA 8260B	8G03011	0.00036	0.00050	ND	1	07/03/08	07/04/08	
1,2,3-Trichlorobenzene	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
1,2,4-Trichlorobenzene	EPA 8260B	8G03011	0.00048	0.0010	ND	1	07/03/08	07/04/08	
1,1,1-Trichloroethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
1,1,2-Trichloroethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
Trichloroethene	EPA 8260B	8G03011	0.00026	0.0010	ND	1	07/03/08	07/04/08	
Trichlorofluoromethane	EPA 8260B	8G03011	0.00034	0.0010	ND	1	07/03/08	07/04/08	
1,2,3-Trichloropropane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
1,2,4-Trimethylbenzene	EPA 8260B	8G03011	0.00023	0.0010	ND	1	07/03/08	07/04/08	
1,3,5-Trimethylbenzene	EPA 8260B	8G03011	0.00026	0.0010	ND	1	07/03/08	07/04/08	
Vinyl chloride	EPA 8260B	8G03011	0.00040	0.00050	ND	1	07/03/08	07/04/08	
m,p-Xylenes	EPA 8260B	8G03011	0.00060	0.0010	ND	1	07/03/08	07/04/08	
o-Xylene	EPA 8260B	8G03011	0.00030	0.00050	ND	1	07/03/08	07/04/08	
Di-isopropyl Ether (DIPE)	EPA 8260B	8G03011	0.00025	0.0010	ND	1	07/03/08	07/04/08	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	8G03011	0.00033	0.0010	ND	1	07/03/08	07/04/08	
tert-Butanol (TBA)	EPA 8260B	8G03011	0.0065	0.010	ND	1	07/03/08	07/04/08	
Ethanol	EPA 8260B	8G03011	0.10	0.15	ND	1	07/03/08	07/04/08	
Surrogate: 4-Bromofluorobenzene (80-120%)					*94 %*				
Surrogate: Dibromofluoromethane (80-120%)					*116 %*				
Surrogate: Toluene-d8 (80-120%)					*96 %*				

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Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: mg/l									
Benzene	EPA 8260B	8G03011	0.00028	0.00050	ND	1	07/03/08	07/04/08	
Bromobenzene	EPA 8260B	8G03011	0.00027	0.0010	ND	1	07/03/08	07/04/08	
Bromochloromethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Bromodichloromethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
Bromoform	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Bromomethane	EPA 8260B	8G03011	0.00042	0.0010	ND	1	07/03/08	07/04/08	
n-Butylbenzene	EPA 8260B	8G03011	0.00037	0.0010	ND	1	07/03/08	07/04/08	
tert-Butylbenzene	EPA 8260B	8G03011	0.00022	0.0010	ND	1	07/03/08	07/04/08	
sec-Butylbenzene	EPA 8260B	8G03011	0.00025	0.0010	ND	1	07/03/08	07/04/08	
Carbon tetrachloride	EPA 8260B	8G03011	0.00028	0.00050	ND	1	07/03/08	07/04/08	C, L
Chlorobenzene	EPA 8260B	8G03011	0.00036	0.0010	ND	1	07/03/08	07/04/08	
Chloroethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Chloroform	EPA 8260B	8G03011	0.00033	0.0010	ND	1	07/03/08	07/04/08	
Chloromethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
4-Chlorotoluene	EPA 8260B	8G03011	0.00029	0.0010	ND	1	07/03/08	07/04/08	
2-Chlorotoluene	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dibromo-3-chloropropane	EPA 8260B	8G03011	0.00097	0.0050	ND	1	07/03/08	07/04/08	
Dibromochloromethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dibromoethane (EDB)	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
Dibromomethane	EPA 8260B	8G03011	0.00036	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dichlorobenzene	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
1,3-Dichlorobenzene	EPA 8260B	8G03011	0.00035	0.0010	ND	1	07/03/08	07/04/08	
1,4-Dichlorobenzene	EPA 8260B	8G03011	0.00037	0.0010	ND	1	07/03/08	07/04/08	
Dichlorodifluoromethane	EPA 8260B	8G03011	0.00026	0.0020	ND	1	07/03/08	07/04/08	
1,1-Dichloroethane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
cis-1,2-Dichloroethene	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
trans-1,2-Dichloroethene	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
1,1-Dichloroethene	EPA 8260B	8G03011	0.00042	0.0010	ND	1	07/03/08	07/04/08	
1,3-Dichloropropane	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
2,2-Dichloropropane	EPA 8260B	8G03011	0.00034	0.0010	ND	1	07/03/08	07/04/08	
1,2-Dichloropropane	EPA 8260B	8G03011	0.00035	0.0010	ND	1	07/03/08	07/04/08	
cis-1,3-Dichloropropene	EPA 8260B	8G03011	0.00022	0.00050	ND	1	07/03/08	07/04/08	
trans-1,3-Dichloropropene	EPA 8260B	8G03011	0.00032	0.00050	ND	1	07/03/08	07/04/08	
1,1-Dichloropropene	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
Ethylbenzene	EPA 8260B	8G03011	0.00025	0.00050	ND	1	07/03/08	07/04/08	
1,2-Dichloroethane	EPA 8260B	8G03011	0.00028	0.00050	ND	1	07/03/08	07/04/08	
Hexachlorobutadiene	EPA 8260B	8G03011	0.00038	0.0010	ND	1	07/03/08	07/04/08	
Isopropylbenzene	EPA 8260B	8G03011	0.00025	0.0010	ND	1	07/03/08	07/04/08	
p-Isopropyltoluene	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
Methylene chloride	EPA 8260B	8G03011	0.00095	0.0050	ND	1	07/03/08	07/04/08	
Naphthalene	EPA 8260B	8G03011	0.00041	0.0010	ND	1	07/03/08	07/04/08	

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Sampled: 07/02/08
Received: 07/02/08

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-02 (RW-A - Water) - cont.									
Reporting Units: mg/l									
n-Propylbenzene	EPA 8260B	8G03011	0.00027	0.0010	ND	1	07/03/08	07/04/08	
Styrene	EPA 8260B	8G03011	0.00020	0.0010	ND	1	07/03/08	07/04/08	
1,1,1,2-Tetrachloroethane	EPA 8260B	8G03011	0.00027	0.0010	ND	1	07/03/08	07/04/08	
1,1,2,2-Tetrachloroethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
Tetrachloroethene	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
Toluene	EPA 8260B	8G03011	0.00036	0.00050	ND	1	07/03/08	07/04/08	
1,2,3-Trichlorobenzene	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
1,2,4-Trichlorobenzene	EPA 8260B	8G03011	0.00048	0.0010	ND	1	07/03/08	07/04/08	
1,1,1-Trichloroethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
1,1,2-Trichloroethane	EPA 8260B	8G03011	0.00030	0.0010	ND	1	07/03/08	07/04/08	
Trichloroethene	EPA 8260B	8G03011	0.00026	0.0010	ND	1	07/03/08	07/04/08	
Trichlorofluoromethane	EPA 8260B	8G03011	0.00034	0.0010	ND	1	07/03/08	07/04/08	
1,2,3-Trichloropropane	EPA 8260B	8G03011	0.00040	0.0010	ND	1	07/03/08	07/04/08	
1,2,4-Trimethylbenzene	EPA 8260B	8G03011	0.00023	0.0010	ND	1	07/03/08	07/04/08	
1,3,5-Trimethylbenzene	EPA 8260B	8G03011	0.00026	0.0010	ND	1	07/03/08	07/04/08	
Vinyl chloride	EPA 8260B	8G03011	0.00040	0.00050	ND	1	07/03/08	07/04/08	
m,p-Xylenes	EPA 8260B	8G03011	0.00060	0.0010	ND	1	07/03/08	07/04/08	
o-Xylene	EPA 8260B	8G03011	0.00030	0.00050	ND	1	07/03/08	07/04/08	
Di-isopropyl Ether (DIPE)	EPA 8260B	8G03011	0.00025	0.0010	ND	1	07/03/08	07/04/08	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	8G03011	0.00028	0.0010	ND	1	07/03/08	07/04/08	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	8G03011	0.00032	0.0010	ND	1	07/03/08	07/04/08	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	8G03011	0.00033	0.0010	ND	1	07/03/08	07/04/08	
tert-Butanol (TBA)	EPA 8260B	8G03011	0.0065	0.010	ND	1	07/03/08	07/04/08	
Ethanol	EPA 8260B	8G03011	0.10	0.15	ND	1	07/03/08	07/04/08	
Surrogate: 4-Bromofluorobenzene (80-120%)					*92 %*				
Surrogate: Dibromofluoromethane (80-120%)					*118 %*				
Surrogate: Toluene-d8 (80-120%)					*96 %*				

TestAmerica Irvine

Patty Mata
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: mg/l									
Acenaphthene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Acenaphthylene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Aniline	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
Anthracene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Benzidine	EPA 8270C	8G07052	0.0081	0.019	ND	0.948	07/07/08	07/09/08	
Benzo(a)anthracene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Benzo(a)pyrene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Benzo(g,h,i)perylene	EPA 8270C	8G07052	0.0038	0.0095	ND	0.948	07/07/08	07/09/08	
Benzo(b)fluoranthene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Benzo(k)fluoranthene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
Benzoic acid	EPA 8270C	8G07052	0.0095	0.019	ND	0.948	07/07/08	07/09/08	
Benzyl alcohol	EPA 8270C	8G07052	0.0024	0.019	ND	0.948	07/07/08	07/09/08	
4-Bromophenyl phenyl ether	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Butyl benzyl phthalate	EPA 8270C	8G07052	0.0038	0.019	ND	0.948	07/07/08	07/09/08	
4-Chloro-3-methylphenol	EPA 8270C	8G07052	0.0024	0.019	ND	0.948	07/07/08	07/09/08	
4-Chloroaniline	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Bis(2-chloroethoxy)methane	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Bis(2-chloroethyl)ether	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Bis(2-chloroisopropyl)ether	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
2-Chloronaphthalene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
2-Chlorophenol	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
4-Chlorophenyl phenyl ether	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
Chrysene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
Dibenz(a,h)anthracene	EPA 8270C	8G07052	0.0028	0.019	ND	0.948	07/07/08	07/09/08	
Dibenzofuran	EPA 8270C	8G07052	0.0038	0.0095	ND	0.948	07/07/08	07/09/08	
Di-n-butyl phthalate	EPA 8270C	8G07052	0.0028	0.019	ND	0.948	07/07/08	07/09/08	
1,2-Dichlorobenzene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
1,3-Dichlorobenzene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
1,4-Dichlorobenzene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
3,3-Dichlorobenzidine	EPA 8270C	8G07052	0.0028	0.019	ND	0.948	07/07/08	07/09/08	
2,4-Dichlorophenol	EPA 8270C	8G07052	0.0033	0.0095	ND	0.948	07/07/08	07/09/08	
Diethyl phthalate	EPA 8270C	8G07052	0.0033	0.0095	ND	0.948	07/07/08	07/09/08	
2,4-Dimethylphenol	EPA 8270C	8G07052	0.0033	0.019	ND	0.948	07/07/08	07/09/08	
Dimethyl phthalate	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
4,6-Dinitro-2-methylphenol	EPA 8270C	8G07052	0.0038	0.019	ND	0.948	07/07/08	07/09/08	
2,4-Dinitrophenol	EPA 8270C	8G07052	0.0076	0.019	ND	0.948	07/07/08	07/09/08	
2,4-Dinitrotoluene	EPA 8270C	8G07052	0.0033	0.0095	ND	0.948	07/07/08	07/09/08	
2,6-Dinitrotoluene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Di-n-octyl phthalate	EPA 8270C	8G07052	0.0033	0.019	ND	0.948	07/07/08	07/09/08	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	8G07052	0.0024	0.019	ND	0.948	07/07/08	07/09/08	
Bis(2-ethylhexyl)phthalate	EPA 8270C	8G07052	0.0038	0.047	**0.0062**	0.948	07/07/08	07/09/08	B, J

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water) - cont.									
Reporting Units: mg/l									
Fluoranthene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Fluorene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Hexachlorobenzene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Hexachlorobutadiene	EPA 8270C	8G07052	0.0038	0.0095	ND	0.948	07/07/08	07/09/08	
Hexachlorocyclopentadiene	EPA 8270C	8G07052	0.0047	0.019	ND	0.948	07/07/08	07/09/08	
Hexachloroethane	EPA 8270C	8G07052	0.0033	0.0095	ND	0.948	07/07/08	07/09/08	
Indeno(1,2,3-cd)pyrene	EPA 8270C	8G07052	0.0033	0.019	ND	0.948	07/07/08	07/09/08	
Isophorone	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
2-Methylnaphthalene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
2-Methylphenol	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
4-Methylphenol	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
Naphthalene	EPA 8270C	8G07052	0.0028	0.0095	ND	0.948	07/07/08	07/09/08	
2-Nitroaniline	EPA 8270C	8G07052	0.0019	0.019	ND	0.948	07/07/08	07/09/08	
3-Nitroaniline	EPA 8270C	8G07052	0.0028	0.019	ND	0.948	07/07/08	07/09/08	
4-Nitroaniline	EPA 8270C	8G07052	0.0038	0.019	ND	0.948	07/07/08	07/09/08	
Nitrobenzene	EPA 8270C	8G07052	0.0024	0.019	ND	0.948	07/07/08	07/09/08	
2-Nitrophenol	EPA 8270C	8G07052	0.0033	0.0095	ND	0.948	07/07/08	07/09/08	
4-Nitrophenol	EPA 8270C	8G07052	0.0052	0.019	ND	0.948	07/07/08	07/09/08	
N-Nitroso-di-n-propylamine	EPA 8270C	8G07052	0.0033	0.0095	ND	0.948	07/07/08	07/09/08	
N-Nitrosodimethylamine	EPA 8270C	8G07052	0.0024	0.019	ND	0.948	07/07/08	07/09/08	
N-Nitrosodiphenylamine	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Pentachlorophenol	EPA 8270C	8G07052	0.0033	0.019	ND	0.948	07/07/08	07/09/08	
Phenanthrene	EPA 8270C	8G07052	0.0033	0.0095	ND	0.948	07/07/08	07/09/08	
Phenol	EPA 8270C	8G07052	0.0019	0.0095	ND	0.948	07/07/08	07/09/08	
Pyrene	EPA 8270C	8G07052	0.0038	0.0095	ND	0.948	07/07/08	07/09/08	
1,2,4-Trichlorobenzene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.948	07/07/08	07/09/08	
2,4,5-Trichlorophenol	EPA 8270C	8G07052	0.0028	0.019	ND	0.948	07/07/08	07/09/08	
2,4,6-Trichlorophenol	EPA 8270C	8G07052	0.0043	0.019	ND	0.948	07/07/08	07/09/08	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*77 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*59 %*				
Surrogate: 2-Fluorophenol (30-120%)					*51 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*58 %*				
Surrogate: Phenol-d6 (35-120%)					*55 %*				
Surrogate: Terphenyl-d14 (50-125%)					*72 %*				

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: mg/l									
Acenaphthene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Acenaphthylene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Aniline	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
Anthracene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Benzidine	EPA 8270C	8G07052	0.0081	0.019	ND	0.952	07/07/08	07/09/08	
Benzo(a)anthracene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Benzo(a)pyrene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Benzo(g,h,i)perylene	EPA 8270C	8G07052	0.0038	0.0095	ND	0.952	07/07/08	07/09/08	
Benzo(b)fluoranthene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Benzo(k)fluoranthene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
Benzoic acid	EPA 8270C	8G07052	0.0095	0.019	ND	0.952	07/07/08	07/09/08	
Benzyl alcohol	EPA 8270C	8G07052	0.0024	0.019	ND	0.952	07/07/08	07/09/08	
4-Bromophenyl phenyl ether	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Butyl benzyl phthalate	EPA 8270C	8G07052	0.0038	0.019	ND	0.952	07/07/08	07/09/08	
4-Chloro-3-methylphenol	EPA 8270C	8G07052	0.0024	0.019	ND	0.952	07/07/08	07/09/08	
4-Chloroaniline	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Bis(2-chloroethoxy)methane	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Bis(2-chloroethyl)ether	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Bis(2-chloroisopropyl)ether	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
2-Chloronaphthalene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
2-Chlorophenol	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
4-Chlorophenyl phenyl ether	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
Chrysene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
Dibenz(a,h)anthracene	EPA 8270C	8G07052	0.0029	0.019	ND	0.952	07/07/08	07/09/08	
Dibenzofuran	EPA 8270C	8G07052	0.0038	0.0095	ND	0.952	07/07/08	07/09/08	
Di-n-butyl phthalate	EPA 8270C	8G07052	0.0029	0.019	ND	0.952	07/07/08	07/09/08	
1,2-Dichlorobenzene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
1,3-Dichlorobenzene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
1,4-Dichlorobenzene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
3,3-Dichlorobenzidine	EPA 8270C	8G07052	0.0029	0.019	ND	0.952	07/07/08	07/09/08	
2,4-Dichlorophenol	EPA 8270C	8G07052	0.0033	0.0095	ND	0.952	07/07/08	07/09/08	
Diethyl phthalate	EPA 8270C	8G07052	0.0033	0.0095	ND	0.952	07/07/08	07/09/08	
2,4-Dimethylphenol	EPA 8270C	8G07052	0.0033	0.019	ND	0.952	07/07/08	07/09/08	
Dimethyl phthalate	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
4,6-Dinitro-2-methylphenol	EPA 8270C	8G07052	0.0038	0.019	ND	0.952	07/07/08	07/09/08	
2,4-Dinitrophenol	EPA 8270C	8G07052	0.0076	0.019	ND	0.952	07/07/08	07/09/08	
2,4-Dinitrotoluene	EPA 8270C	8G07052	0.0033	0.0095	ND	0.952	07/07/08	07/09/08	
2,6-Dinitrotoluene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Di-n-octyl phthalate	EPA 8270C	8G07052	0.0033	0.019	ND	0.952	07/07/08	07/09/08	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	8G07052	0.0024	0.019	ND	0.952	07/07/08	07/09/08	
Bis(2-ethylhexyl)phthalate	EPA 8270C	8G07052	0.0038	0.048	**0.0067**	0.952	07/07/08	07/09/08	B, J

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Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-02 (RW-A - Water) - cont.									
Reporting Units: mg/l									
Fluoranthene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Fluorene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Hexachlorobenzene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Hexachlorobutadiene	EPA 8270C	8G07052	0.0038	0.0095	ND	0.952	07/07/08	07/09/08	
Hexachlorocyclopentadiene	EPA 8270C	8G07052	0.0048	0.019	ND	0.952	07/07/08	07/09/08	
Hexachloroethane	EPA 8270C	8G07052	0.0033	0.0095	ND	0.952	07/07/08	07/09/08	
Indeno(1,2,3-cd)pyrene	EPA 8270C	8G07052	0.0033	0.019	ND	0.952	07/07/08	07/09/08	
Isophorone	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
2-Methylnaphthalene	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
2-Methylphenol	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
4-Methylphenol	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
Naphthalene	EPA 8270C	8G07052	0.0029	0.0095	ND	0.952	07/07/08	07/09/08	
2-Nitroaniline	EPA 8270C	8G07052	0.0019	0.019	ND	0.952	07/07/08	07/09/08	
3-Nitroaniline	EPA 8270C	8G07052	0.0029	0.019	ND	0.952	07/07/08	07/09/08	
4-Nitroaniline	EPA 8270C	8G07052	0.0038	0.019	ND	0.952	07/07/08	07/09/08	
Nitrobenzene	EPA 8270C	8G07052	0.0024	0.019	ND	0.952	07/07/08	07/09/08	
2-Nitrophenol	EPA 8270C	8G07052	0.0033	0.0095	ND	0.952	07/07/08	07/09/08	
4-Nitrophenol	EPA 8270C	8G07052	0.0052	0.019	ND	0.952	07/07/08	07/09/08	
N-Nitroso-di-n-propylamine	EPA 8270C	8G07052	0.0033	0.0095	ND	0.952	07/07/08	07/09/08	
N-Nitrosodimethylamine	EPA 8270C	8G07052	0.0024	0.019	ND	0.952	07/07/08	07/09/08	
N-Nitrosodiphenylamine	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Pentachlorophenol	EPA 8270C	8G07052	0.0033	0.019	ND	0.952	07/07/08	07/09/08	
Phenanthrene	EPA 8270C	8G07052	0.0033	0.0095	ND	0.952	07/07/08	07/09/08	
Phenol	EPA 8270C	8G07052	0.0019	0.0095	ND	0.952	07/07/08	07/09/08	
Pyrene	EPA 8270C	8G07052	0.0038	0.0095	ND	0.952	07/07/08	07/09/08	
1,2,4-Trichlorobenzene	EPA 8270C	8G07052	0.0024	0.0095	ND	0.952	07/07/08	07/09/08	
2,4,5-Trichlorophenol	EPA 8270C	8G07052	0.0029	0.019	ND	0.952	07/07/08	07/09/08	
2,4,6-Trichlorophenol	EPA 8270C	8G07052	0.0043	0.019	ND	0.952	07/07/08	07/09/08	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*98 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*72 %*				
Surrogate: 2-Fluorophenol (30-120%)					*71 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*78 %*				
Surrogate: Phenol-d6 (35-120%)					*78 %*				
Surrogate: Terphenyl-d14 (50-125%)					*83 %*				

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BP Carson
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Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: mg/l									
4,4'-DDD	EPA 8081A	8G03030	0.0000020	0.0000050	ND	1	07/03/08	07/07/08	
4,4'-DDE	EPA 8081A	8G03030	0.0000030	0.0000050	ND	1	07/03/08	07/07/08	
4,4'-DDT	EPA 8081A	8G03030	0.0000040	0.000010	ND	1	07/03/08	07/07/08	
Aldrin	EPA 8081A	8G03030	0.0000015	0.0000050	ND	1	07/03/08	07/07/08	
alpha-BHC	EPA 8081A	8G03030	0.0000025	0.0000050	ND	1	07/03/08	07/07/08	
beta-BHC	EPA 8081A	8G03030	0.0000040	0.000010	ND	1	07/03/08	07/07/08	
delta-BHC	EPA 8081A	8G03030	0.0000035	0.0000050	ND	1	07/03/08	07/07/08	
gamma-BHC (Lindane)	EPA 8081A	8G03030	0.0000030	0.000010	ND	1	07/03/08	07/07/08	
Dieldrin	EPA 8081A	8G03030	0.0000020	0.0000050	ND	1	07/03/08	07/07/08	
Endosulfan I	EPA 8081A	8G03030	0.0000020	0.0000050	ND	1	07/03/08	07/07/08	
Endosulfan II	EPA 8081A	8G03030	0.0000030	0.0000050	ND	1	07/03/08	07/07/08	
Endosulfan sulfate	EPA 8081A	8G03030	0.0000030	0.000010	ND	1	07/03/08	07/07/08	
Endrin	EPA 8081A	8G03030	0.0000020	0.0000050	ND	1	07/03/08	07/07/08	
Endrin aldehyde	EPA 8081A	8G03030	0.0000020	0.000010	ND	1	07/03/08	07/07/08	
Endrin ketone	EPA 8081A	8G03030	0.0000030	0.000010	ND	1	07/03/08	07/07/08	
Heptachlor	EPA 8081A	8G03030	0.0000030	0.000010	ND	1	07/03/08	07/07/08	
Heptachlor epoxide	EPA 8081A	8G03030	0.0000025	0.0000050	ND	1	07/03/08	07/07/08	
Methoxychlor	EPA 8081A	8G03030	0.0000035	0.0000050	ND	1	07/03/08	07/07/08	
Chlordane	EPA 8081A	8G03030	0.000030	0.00010	ND	1	07/03/08	07/07/08	
Toxaphene	EPA 8081A	8G03030	0.000070	0.00010	ND	1	07/03/08	07/07/08	
Surrogate: Decachlorobiphenyl (45-120%)					*75 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*51 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: mg/l									
4,4'-DDD	EPA 8081A	8G03030	0.0000019	0.0000047	ND	0.943	07/03/08	07/07/08	
4,4'-DDE	EPA 8081A	8G03030	0.0000028	0.0000047	ND	0.943	07/03/08	07/07/08	
4,4'-DDT	EPA 8081A	8G03030	0.0000038	0.0000094	ND	0.943	07/03/08	07/07/08	
Aldrin	EPA 8081A	8G03030	0.0000014	0.0000047	ND	0.943	07/03/08	07/07/08	
alpha-BHC	EPA 8081A	8G03030	0.0000024	0.0000047	ND	0.943	07/03/08	07/07/08	
beta-BHC	EPA 8081A	8G03030	0.0000038	0.0000094	ND	0.943	07/03/08	07/07/08	
delta-BHC	EPA 8081A	8G03030	0.0000033	0.0000047	ND	0.943	07/03/08	07/07/08	
gamma-BHC (Lindane)	EPA 8081A	8G03030	0.0000028	0.0000094	ND	0.943	07/03/08	07/07/08	
Dieldrin	EPA 8081A	8G03030	0.0000019	0.0000047	ND	0.943	07/03/08	07/07/08	
Endosulfan I	EPA 8081A	8G03030	0.0000019	0.0000047	ND	0.943	07/03/08	07/07/08	
Endosulfan II	EPA 8081A	8G03030	0.0000028	0.0000047	ND	0.943	07/03/08	07/07/08	
Endosulfan sulfate	EPA 8081A	8G03030	0.0000028	0.0000094	ND	0.943	07/03/08	07/07/08	
Endrin	EPA 8081A	8G03030	0.0000019	0.0000047	ND	0.943	07/03/08	07/07/08	
Endrin aldehyde	EPA 8081A	8G03030	0.0000019	0.0000094	ND	0.943	07/03/08	07/07/08	
Endrin ketone	EPA 8081A	8G03030	0.0000028	0.0000094	ND	0.943	07/03/08	07/07/08	
Heptachlor	EPA 8081A	8G03030	0.0000028	0.0000094	ND	0.943	07/03/08	07/07/08	
Heptachlor epoxide	EPA 8081A	8G03030	0.0000024	0.0000047	ND	0.943	07/03/08	07/07/08	
Methoxychlor	EPA 8081A	8G03030	0.0000033	0.0000047	ND	0.943	07/03/08	07/07/08	
Chlordane	EPA 8081A	8G03030	0.000028	0.000094	ND	0.943	07/03/08	07/07/08	
Toxaphene	EPA 8081A	8G03030	0.000066	0.000094	ND	0.943	07/03/08	07/07/08	
Surrogate: Decachlorobiphenyl (45-120%)					*83 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*57 %*				

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SOLUBLE POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: mg/l									
Aroclor 1016	EPA 3510/8082	8G03030	0.00045	0.00050	ND	1	07/03/08	07/07/08	
Aroclor 1221	EPA 3510/8082	8G03030	0.00025	0.00050	ND	1	07/03/08	07/07/08	
Aroclor 1232	EPA 3510/8082	8G03030	0.00025	0.00050	ND	1	07/03/08	07/07/08	
Aroclor 1242	EPA 3510/8082	8G03030	0.00025	0.00050	ND	1	07/03/08	07/07/08	
Aroclor 1248	EPA 3510/8082	8G03030	0.00025	0.00050	ND	1	07/03/08	07/07/08	
Aroclor 1254	EPA 3510/8082	8G03030	0.00025	0.00050	ND	1	07/03/08	07/07/08	
Aroclor 1260	EPA 3510/8082	8G03030	0.00030	0.00050	ND	1	07/03/08	07/07/08	
Surrogate: Decachlorobiphenyl (45-120%)					*93 %*				
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: mg/l									
Aroclor 1016	EPA 3510/8082	8G03030	0.00042	0.00047	ND	0.943	07/03/08	07/07/08	
Aroclor 1221	EPA 3510/8082	8G03030	0.00024	0.00047	ND	0.943	07/03/08	07/07/08	
Aroclor 1232	EPA 3510/8082	8G03030	0.00024	0.00047	ND	0.943	07/03/08	07/07/08	
Aroclor 1242	EPA 3510/8082	8G03030	0.00024	0.00047	ND	0.943	07/03/08	07/07/08	
Aroclor 1248	EPA 3510/8082	8G03030	0.00024	0.00047	ND	0.943	07/03/08	07/07/08	
Aroclor 1254	EPA 3510/8082	8G03030	0.00024	0.00047	ND	0.943	07/03/08	07/07/08	
Aroclor 1260	EPA 3510/8082	8G03030	0.00028	0.00047	ND	0.943	07/03/08	07/07/08	
Surrogate: Decachlorobiphenyl (45-120%)					*94 %*				

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Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	8G11083	0.00010	0.00020	ND	1	07/11/08	07/11/08	C
Antimony	EPA 6020	8G07078	0.00020	0.0020	**0.00031**	1	07/07/08	07/07/08	J
Arsenic	EPA 6020	8G07078	0.00070	0.0010	ND	1	07/07/08	07/07/08	
Beryllium	EPA 6020	8G07078	0.00020	0.00050	ND	1	07/07/08	07/08/08	C
Cadmium	EPA 6020	8G07078	0.00011	0.0010	ND	1	07/07/08	07/07/08	
Chromium	EPA 6020	8G07078	0.00070	0.0020	ND	1	07/07/08	07/07/08	
Copper	EPA 6020	8G07078	0.00075	0.0020	**0.0022**	1	07/07/08	07/07/08	
Lead	EPA 6020	8G07078	0.00030	0.0010	ND	1	07/07/08	07/07/08	
Nickel	EPA 6020	8G07078	0.00090	0.0020	ND	1	07/07/08	07/07/08	
Selenium	EPA 6020	8G07078	0.00030	0.0020	ND	1	07/07/08	07/07/08	
Silver	EPA 6020	8G07078	0.00030	0.0010	ND	1	07/07/08	07/07/08	
Thallium	EPA 6020	8G07078	0.00020	0.0010	ND	1	07/07/08	07/07/08	
Zinc	EPA 6020	8G07078	0.0025	0.020	**0.040**	1	07/07/08	07/07/08	
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	8G11083	0.00010	0.00020	ND	1	07/11/08	07/11/08	C
Antimony	EPA 6020	8G07078	0.0010	0.010	ND	5	07/07/08	07/07/08	RL1
Arsenic	EPA 6020	8G07078	0.0035	0.0050	ND	5	07/07/08	07/07/08	RL1
Beryllium	EPA 6020	8G07078	0.0010	0.0025	ND	5	07/07/08	07/08/08	C, RL1
Cadmium	EPA 6020	8G07078	0.00055	0.0050	ND	5	07/07/08	07/07/08	RL1
Chromium	EPA 6020	8G07078	0.0035	0.010	ND	5	07/07/08	07/07/08	RL1
Copper	EPA 6020	8G07078	0.0038	0.010	**0.011**	5	07/07/08	07/07/08	
Lead	EPA 6020	8G07078	0.0015	0.0050	ND	5	07/07/08	07/07/08	RL1
Nickel	EPA 6020	8G07078	0.0045	0.010	ND	5	07/07/08	07/07/08	RL1
Selenium	EPA 6020	8G07078	0.0015	0.010	ND	5	07/07/08	07/07/08	RL1
Silver	EPA 6020	8G07078	0.0015	0.0050	ND	5	07/07/08	07/07/08	RL1
Thallium	EPA 6020	8G07078	0.0010	0.0050	ND	5	07/07/08	07/07/08	RL1
Zinc	EPA 6020	8G07078	0.012	0.10	**0.020**	5	07/07/08	07/07/08	RL1, J

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Attention: Sara Chung

Project ID: BP Carson RW
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Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-02 (RW-A - Water) - cont.									
Reporting Units: g/l									
Salinity	EPA 120.1	8G10048	N/A	0.10	**36**	1	07/10/08	07/10/08	
Sample ID: IRG0175-03 (RW-B - Water)									
Reporting Units: g/l									
Salinity	EPA 120.1	8G10048	N/A	0.10	**37**	1	07/10/08	07/10/08	
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: mg/l									
Hexane Extractable Material (Oil & Grease)	EPA 1664A	8G03017	1.4	5.0	**2.3**	1	07/03/08	07/03/08	J
Biochemical Oxygen Demand	EPA 405.1	8G02064	0.59	2.0	**0.68**	1	07/02/08	07/07/08	J
Total Cyanide	SM4500-CN-C,E	8G08101	0.0022	0.0050	ND	1	07/08/08	07/08/08	
Hardness (as CaCO3)	EPA 130.2	8G07075	4.0	4.0	**20**	1	07/07/08	07/07/08	
Residual Chlorine	EPA 330.5	8G03037	0.10	0.10	ND	1	07/03/08	07/03/08	HFT
Sulfide	EPA 376.2	8G02084	0.020	0.10	**0.067**	1	07/02/08	07/02/08	J
Surfactants (MBAS)	EPA 425.1	8G03074	0.044	0.10	ND	1	07/03/08	07/03/08	
Total Organic Carbon	EPA 415.1	8G08114	0.50	1.0	ND	1	07/08/08	07/08/08	M1
Total Suspended Solids	EPA 160.2	8G08068	10	10	ND	1	07/08/08	07/08/08	
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: mg/l									
Total Cyanide	SM4500-CN-C,E	8G08101	0.0022	0.0050	ND	1	07/08/08	07/08/08	
Hardness (as CaCO3)	EPA 130.2	8G07075	4.0	4.0	**5300**	1	07/07/08	07/07/08	
Sample ID: IRG0175-03 (RW-B - Water)									
Reporting Units: mg/l									
Ammonia-N (Distilled)	SM4500NH3-D	8G09095	0.22	1.0	**0.25**	1	07/09/08	07/09/08	J
Dissolved Oxygen	EPA 360.1	8G02116	1.0	1.0	**5.5**	1	07/02/08	07/02/08	HFT
Nitrate-N	EPA 300.0	8G02043	0.60	1.1	**0.90**	10	07/02/08	07/02/08	RL1, J
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: ml/l/hr									
Total Settleable Solids	EPA 160.5	8G03073	0.10	0.10	ND	1	07/03/08	07/03/08	HFT
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: NTU									
Turbidity	EPA 180.1	8G03104	0.040	1.0	**0.98**	1	07/03/08	07/03/08	B-1, J
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: pH Units									
pH	SM4500-H,B	8G05008	0.100	0.100	**7.81**	1	07/05/08	07/05/08	HFT

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-02 (RW-A - Water)									
Reporting Units: pH Units									
pH	SM4500-H,B	8G05008	0.100	0.100	**7.96**	1	07/05/08	07/05/08	HFT
Sample ID: IRG0175-03 (RW-B - Water)									
Reporting Units: pH Units									
pH	SM4500-H,B	8G05008	0.100	0.100	**7.94**	1	07/05/08	07/05/08	HFT

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Organotin Compounds by GC - FPD

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRG0175-01 (Outfall 23 - Water)									
Reporting Units: ug/l									
Tributyltin	GC - FPD	8070804	0.004	0.005	ND	1	07/07/08	07/11/08	
Dibutyltin	GC - FPD	8070804	0.007	0.020	ND	1	07/07/08	07/11/08	
Monobutyltin	GC - FPD	8070804	0.012	0.020	ND	1	07/07/08	07/11/08	
Surrogate: Tripentyltin (71-128%)					*101 %*				
Surrogate: Tri-n-propyltin (67-130%)					*104 %*				

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SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Outfall 23 (IRG0175-01) - Water					
EPA 160.5	2	07/02/2008 14:10	07/02/2008 16:40	07/03/2008 09:00	07/03/2008 09:00
EPA 180.1	2	07/02/2008 14:10	07/02/2008 16:40	07/03/2008 17:10	07/03/2008 17:10
EPA 330.5	1	07/02/2008 14:10	07/02/2008 16:40	07/03/2008 08:20	07/03/2008 08:20
EPA 405.1	2	07/02/2008 14:10	07/02/2008 16:40	07/02/2008 21:33	07/07/2008 19:02
EPA 425.1	2	07/02/2008 14:10	07/02/2008 16:40	07/03/2008 14:27	07/03/2008 15:55
SM4500-H,B	0	07/02/2008 14:10	07/02/2008 16:40	07/05/2008 07:50	07/05/2008 07:50
Sample ID: RW-A (IRG0175-02) - Water					
SM4500-H,B	0	07/02/2008 14:20	07/02/2008 16:40	07/05/2008 07:50	07/05/2008 07:50
Sample ID: RW-B (IRG0175-03) - Water					
EPA 300.0	2	07/02/2008 14:20	07/02/2008 16:40	07/02/2008 19:00	07/02/2008 19:59
EPA 360.1	1	07/02/2008 14:20	07/02/2008 16:40	07/02/2008 21:00	07/02/2008 21:00
SM4500-H,B	0	07/02/2008 14:20	07/02/2008 16:40	07/05/2008 07:50	07/05/2008 07:50

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METHOD BLANK/QC DATA

VOLATILE ORGANICS--GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
Blank Analyzed: 07/03/2008 (8G03011-BLK1)											
Acrolein	ND	0.0050	0.0040	mg/l							
Acrylonitrile	ND	0.0020	0.00070	mg/l							
2-Chloroethyl vinyl ether	ND	0.0050	0.0018	mg/l							
Surrogate: 4-Bromofluorobenzene	*0.0236*			*mg/l*	*0.0250*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0267*			*mg/l*	*0.0250*		*107*	*80-120*			
Surrogate: Toluene-d8	*0.0242*			*mg/l*	*0.0250*		*97*	*80-120*			
LCS Analyzed: 07/03/2008 (8G03011-BS1)											
2-Chloroethyl vinyl ether	0.0120	0.0050	0.0018	mg/l	0.0250		48	25-170			
Surrogate: 4-Bromofluorobenzene	*0.0246*			*mg/l*	*0.0250*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0273*			*mg/l*	*0.0250*		*109*	*80-120*			
Surrogate: Toluene-d8	*0.0240*			*mg/l*	*0.0250*		*96*	*80-120*			
Matrix Spike Analyzed: 07/03/2008 (8G03011-MS1)						**Source: IRG0258-01**					
2-Chloroethyl vinyl ether	ND	0.0050	0.0018	mg/l	0.0250	ND		25-170			*M13*
Surrogate: 4-Bromofluorobenzene	*0.0241*			*mg/l*	*0.0250*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0270*			*mg/l*	*0.0250*		*108*	*80-120*			
Surrogate: Toluene-d8	*0.0243*			*mg/l*	*0.0250*		*97*	*80-120*			
Matrix Spike Dup Analyzed: 07/03/2008 (8G03011-MSD1)						**Source: IRG0258-01**					
2-Chloroethyl vinyl ether	ND	0.0050	0.0018	mg/l	0.0250	ND		25-170		25	*M13*
Surrogate: 4-Bromofluorobenzene	*0.0248*			*mg/l*	*0.0250*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0262*			*mg/l*	*0.0250*		*105*	*80-120*			
Surrogate: Toluene-d8	*0.0239*			*mg/l*	*0.0250*		*95*	*80-120*			

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
Blank Analyzed: 07/03/2008 (8G03011-BLK1)											
Benzene	ND	0.00050	0.00028	mg/l							
Bromobenzene	ND	0.0010	0.00027	mg/l							
Bromochloromethane	ND	0.0010	0.00040	mg/l							
Bromodichloromethane	ND	0.0010	0.00030	mg/l							
Bromoform	ND	0.0010	0.00040	mg/l							
Bromomethane	ND	0.0010	0.00042	mg/l							
n-Butylbenzene	ND	0.0010	0.00037	mg/l							
tert-Butylbenzene	ND	0.0010	0.00022	mg/l							
sec-Butylbenzene	ND	0.0010	0.00025	mg/l							
Carbon tetrachloride	ND	0.00050	0.00028	mg/l							
Chlorobenzene	ND	0.0010	0.00036	mg/l							
Chloroethane	ND	0.0010	0.00040	mg/l							
Chloroform	ND	0.0010	0.00033	mg/l							
Chloromethane	ND	0.0010	0.00040	mg/l							
4-Chlorotoluene	ND	0.0010	0.00029	mg/l							
2-Chlorotoluene	ND	0.0010	0.00028	mg/l							
1,2-Dibromo-3-chloropropane	ND	0.0050	0.00097	mg/l							
Dibromochloromethane	ND	0.0010	0.00040	mg/l							
1,2-Dibromoethane (EDB)	ND	0.0010	0.00040	mg/l							
Dibromomethane	ND	0.0010	0.00036	mg/l							
1,2-Dichlorobenzene	ND	0.0010	0.00032	mg/l							
1,3-Dichlorobenzene	ND	0.0010	0.00035	mg/l							
1,4-Dichlorobenzene	ND	0.0010	0.00037	mg/l							
Dichlorodifluoromethane	ND	0.0020	0.00026	mg/l							
1,1-Dichloroethane	ND	0.0010	0.00040	mg/l							
cis-1,2-Dichloroethene	ND	0.0010	0.00032	mg/l							
trans-1,2-Dichloroethene	ND	0.0010	0.00030	mg/l							
1,1-Dichloroethene	ND	0.0010	0.00042	mg/l							
1,3-Dichloropropane	ND	0.0010	0.00032	mg/l							
2,2-Dichloropropane	ND	0.0010	0.00034	mg/l							
1,2-Dichloropropane	ND	0.0010	0.00035	mg/l							
cis-1,3-Dichloropropene	ND	0.00050	0.00022	mg/l							
trans-1,3-Dichloropropene	ND	0.00050	0.00032	mg/l							
1,1-Dichloropropene	ND	0.0010	0.00028	mg/l							
Ethylbenzene	ND	0.00050	0.00025	mg/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
Blank Analyzed: 07/03/2008 (8G03011-BLK1)											
1,2-Dichloroethane	ND	0.00050	0.00028	mg/l							
Hexachlorobutadiene	ND	0.0010	0.00038	mg/l							
Isopropylbenzene	ND	0.0010	0.00025	mg/l							
p-Isopropyltoluene	ND	0.0010	0.00028	mg/l							
Methylene chloride	ND	0.0050	0.00095	mg/l							
Naphthalene	ND	0.0010	0.00041	mg/l							
n-Propylbenzene	ND	0.0010	0.00027	mg/l							
Styrene	ND	0.0010	0.00020	mg/l							
1,1,1,2-Tetrachloroethane	ND	0.0010	0.00027	mg/l							
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00030	mg/l							
Tetrachloroethene	ND	0.0010	0.00032	mg/l							
Toluene	ND	0.00050	0.00036	mg/l							
1,2,3-Trichlorobenzene	ND	0.0010	0.00030	mg/l							
1,2,4-Trichlorobenzene	ND	0.0010	0.00048	mg/l							
1,1,1-Trichloroethane	ND	0.0010	0.00030	mg/l							
1,1,2-Trichloroethane	ND	0.0010	0.00030	mg/l							
Trichloroethene	ND	0.0010	0.00026	mg/l							
Trichlorofluoromethane	ND	0.0010	0.00034	mg/l							
1,2,3-Trichloropropane	ND	0.0010	0.00040	mg/l							
1,2,4-Trimethylbenzene	ND	0.0010	0.00023	mg/l							
1,3,5-Trimethylbenzene	ND	0.0010	0.00026	mg/l							
Vinyl chloride	ND	0.00050	0.00040	mg/l							
m,p-Xylenes	ND	0.0010	0.00060	mg/l							
o-Xylene	ND	0.00050	0.00030	mg/l							
Di-isopropyl Ether (DIPE)	ND	0.0010	0.00025	mg/l							
Ethyl tert-Butyl Ether (ETBE)	ND	0.0010	0.00028	mg/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.0010	0.00032	mg/l							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00033	mg/l							
tert-Butanol (TBA)	ND	0.010	0.0065	mg/l							
Ethanol	ND	0.15	0.10	mg/l							
Surrogate: 4-Bromofluorobenzene	*0.0236*			*mg/l*	*0.0250*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0267*			*mg/l*	*0.0250*		*107*	*80-120*			
Surrogate: Toluene-d8	*0.0242*			*mg/l*	*0.0250*		*97*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
LCS Analyzed: 07/03/2008 (8G03011-BS1)											
Benzene	0.0236	0.00050	0.00028	mg/l	0.0250		94	70-120			
Bromobenzene	0.0265	0.0010	0.00027	mg/l	0.0250		106	75-120			
Bromochloromethane	0.0270	0.0010	0.00040	mg/l	0.0250		108	70-130			
Bromodichloromethane	0.0298	0.0010	0.00030	mg/l	0.0250		119	70-135			
Bromoform	0.0258	0.0010	0.00040	mg/l	0.0250		103	55-130			
Bromomethane	0.0289	0.0010	0.00042	mg/l	0.0250		115	65-140			
n-Butylbenzene	0.0243	0.0010	0.00037	mg/l	0.0250		97	70-130			
tert-Butylbenzene	0.0261	0.0010	0.00022	mg/l	0.0250		104	70-125			
sec-Butylbenzene	0.0237	0.0010	0.00025	mg/l	0.0250		95	70-125			
Carbon tetrachloride	0.0354	0.00050	0.00028	mg/l	0.0250		142	65-140			*L*
Chlorobenzene	0.0249	0.0010	0.00036	mg/l	0.0250		99	75-120			
Chloroethane	0.0278	0.0010	0.00040	mg/l	0.0250		111	60-140			
Chloroform	0.0285	0.0010	0.00033	mg/l	0.0250		114	70-130			
Chloromethane	0.0273	0.0010	0.00040	mg/l	0.0250		109	50-140			
4-Chlorotoluene	0.0264	0.0010	0.00029	mg/l	0.0250		106	75-125			
2-Chlorotoluene	0.0258	0.0010	0.00028	mg/l	0.0250		103	70-125			
1,2-Dibromo-3-chloropropane	0.0274	0.0050	0.00097	mg/l	0.0250		110	50-135			
Dibromochloromethane	0.0313	0.0010	0.00040	mg/l	0.0250		125	70-140			
1,2-Dibromoethane (EDB)	0.0260	0.0010	0.00040	mg/l	0.0250		104	75-125			
Dibromomethane	0.0277	0.0010	0.00036	mg/l	0.0250		111	70-125			
1,2-Dichlorobenzene	0.0256	0.0010	0.00032	mg/l	0.0250		103	75-120			
1,3-Dichlorobenzene	0.0270	0.0010	0.00035	mg/l	0.0250		108	75-120			
1,4-Dichlorobenzene	0.0243	0.0010	0.00037	mg/l	0.0250		97	75-120			
Dichlorodifluoromethane	0.0300	0.0020	0.00026	mg/l	0.0250		120	35-155			
1,1-Dichloroethane	0.0279	0.0010	0.00040	mg/l	0.0250		112	70-125			
cis-1,2-Dichloroethene	0.0236	0.0010	0.00032	mg/l	0.0250		95	70-125			
trans-1,2-Dichloroethene	0.0223	0.0010	0.00030	mg/l	0.0250		89	70-125			
1,1-Dichloroethene	0.0243	0.0010	0.00042	mg/l	0.0250		97	70-125			
1,3-Dichloropropane	0.0272	0.0010	0.00032	mg/l	0.0250		109	70-120			
2,2-Dichloropropane	0.0319	0.0010	0.00034	mg/l	0.0250		128	65-140			
1,2-Dichloropropane	0.0265	0.0010	0.00035	mg/l	0.0250		106	70-125			
cis-1,3-Dichloropropene	0.0302	0.00050	0.00022	mg/l	0.0250		121	75-125			
trans-1,3-Dichloropropene	0.0312	0.00050	0.00032	mg/l	0.0250		125	70-125			
1,1-Dichloropropene	0.0261	0.0010	0.00028	mg/l	0.0250		104	75-130			
Ethylbenzene	0.0252	0.00050	0.00025	mg/l	0.0250		101	75-125			

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BP Carson
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Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
LCS Analyzed: 07/03/2008 (8G03011-BS1)											
1,2-Dichloroethane	0.0322	0.00050	0.00028	mg/l	0.0250		129	60-140			
Hexachlorobutadiene	0.0227	0.0010	0.00038	mg/l	0.0250		91	65-135			
Isopropylbenzene	0.0298	0.0010	0.00025	mg/l	0.0250		119	75-130			
p-Isopropyltoluene	0.0253	0.0010	0.00028	mg/l	0.0250		101	75-125			
Methylene chloride	0.0255	0.0050	0.00095	mg/l	0.0250		102	55-130			
Naphthalene	0.0238	0.0010	0.00041	mg/l	0.0250		95	55-135			
n-Propylbenzene	0.0272	0.0010	0.00027	mg/l	0.0250		109	75-130			
Styrene	0.0263	0.0010	0.00020	mg/l	0.0250		105	75-130			
1,1,1,2-Tetrachloroethane	0.0305	0.0010	0.00027	mg/l	0.0250		122	70-130			
1,1,2,2-Tetrachloroethane	0.0252	0.0010	0.00030	mg/l	0.0250		101	55-130			
Tetrachloroethene	0.0263	0.0010	0.00032	mg/l	0.0250		105	70-125			
Toluene	0.0241	0.00050	0.00036	mg/l	0.0250		96	70-120			
1,2,3-Trichlorobenzene	0.0249	0.0010	0.00030	mg/l	0.0250		100	65-125			
1,2,4-Trichlorobenzene	0.0256	0.0010	0.00048	mg/l	0.0250		102	70-135			
1,1,1-Trichloroethane	0.0322	0.0010	0.00030	mg/l	0.0250		129	65-135			
1,1,2-Trichloroethane	0.0268	0.0010	0.00030	mg/l	0.0250		107	70-125			
Trichloroethene	0.0262	0.0010	0.00026	mg/l	0.0250		105	70-125			
Trichlorofluoromethane	0.0323	0.0010	0.00034	mg/l	0.0250		129	65-145			
1,2,3-Trichloropropane	0.0259	0.0010	0.00040	mg/l	0.0250		104	60-130			
1,2,4-Trimethylbenzene	0.0257	0.0010	0.00023	mg/l	0.0250		103	75-125			
1,3,5-Trimethylbenzene	0.0263	0.0010	0.00026	mg/l	0.0250		105	75-125			
Vinyl chloride	0.0275	0.00050	0.00040	mg/l	0.0250		110	55-135			
m,p-Xylenes	0.0489	0.0010	0.00060	mg/l	0.0500		98	75-125			
o-Xylene	0.0268	0.00050	0.00030	mg/l	0.0250		107	75-125			
Di-isopropyl Ether (DIPE)	0.0280	0.0010	0.00025	mg/l	0.0250		112	60-135			
Ethyl tert-Butyl Ether (ETBE)	0.0285	0.0010	0.00028	mg/l	0.0250		114	65-135			
Methyl-tert-butyl Ether (MTBE)	0.0271	0.0010	0.00032	mg/l	0.0250		108	60-135			
tert-Amyl Methyl Ether (TAME)	0.0273	0.0010	0.00033	mg/l	0.0250		109	60-135			
tert-Butanol (TBA)	0.138	0.010	0.0065	mg/l	0.125		111	70-135			
Ethanol	0.263	0.15	0.10	mg/l	0.250		105	40-155			
Surrogate: 4-Bromofluorobenzene	*0.0246*			*mg/l*	*0.0250*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0273*			*mg/l*	*0.0250*		*109*	*80-120*			
Surrogate: Toluene-d8	*0.0240*			*mg/l*	*0.0250*		*96*	*80-120*			

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Report Number: IRG0175

Sampled: 07/02/08
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
Matrix Spike Analyzed: 07/03/2008 (8G03011-MS1)						**Source: IRG0258-01**					
Benzene	0.0244	0.00050	0.00028	mg/l	0.0250	ND	98	65-125			
Bromobenzene	0.0273	0.0010	0.00027	mg/l	0.0250	ND	109	70-125			
Bromochloromethane	0.0287	0.0010	0.00040	mg/l	0.0250	ND	115	65-135			
Bromodichloromethane	0.0319	0.0010	0.00030	mg/l	0.0250	ND	128	70-135			
Bromoform	0.0271	0.0010	0.00040	mg/l	0.0250	ND	109	55-135			
Bromomethane	0.0265	0.0010	0.00042	mg/l	0.0250	ND	106	55-145			
n-Butylbenzene	0.0259	0.0010	0.00037	mg/l	0.0250	ND	104	65-135			
tert-Butylbenzene	0.0265	0.0010	0.00022	mg/l	0.0250	ND	106	65-130			
sec-Butylbenzene	0.0254	0.0010	0.00025	mg/l	0.0250	ND	102	70-125			
Carbon tetrachloride	0.0371	0.00050	0.00028	mg/l	0.0250	ND	149	65-140			*M7*
Chlorobenzene	0.0252	0.0010	0.00036	mg/l	0.0250	ND	101	75-125			
Chloroethane	0.0280	0.0010	0.00040	mg/l	0.0250	ND	112	55-140			
Chloroform	0.0293	0.0010	0.00033	mg/l	0.0250	ND	117	65-135			
Chloromethane	0.0284	0.0010	0.00040	mg/l	0.0250	ND	113	45-145			
4-Chlorotoluene	0.0265	0.0010	0.00029	mg/l	0.0250	ND	106	70-135			
2-Chlorotoluene	0.0261	0.0010	0.00028	mg/l	0.0250	ND	104	65-135			
1,2-Dibromo-3-chloropropane	0.0308	0.0050	0.00097	mg/l	0.0250	ND	123	45-145			
Dibromochloromethane	0.0332	0.0010	0.00040	mg/l	0.0250	ND	133	65-140			
1,2-Dibromoethane (EDB)	0.0272	0.0010	0.00040	mg/l	0.0250	ND	109	70-130			
Dibromomethane	0.0302	0.0010	0.00036	mg/l	0.0250	ND	121	65-135			
1,2-Dichlorobenzene	0.0271	0.0010	0.00032	mg/l	0.0250	ND	108	75-125			
1,3-Dichlorobenzene	0.0279	0.0010	0.00035	mg/l	0.0250	ND	111	75-125			
1,4-Dichlorobenzene	0.0256	0.0010	0.00037	mg/l	0.0250	ND	102	75-125			
Dichlorodifluoromethane	0.0308	0.0020	0.00026	mg/l	0.0250	ND	123	25-155			
1,1-Dichloroethane	0.0283	0.0010	0.00040	mg/l	0.0250	ND	113	65-130			
cis-1,2-Dichloroethene	0.0249	0.0010	0.00032	mg/l	0.0250	ND	100	65-130			
trans-1,2-Dichloroethene	0.0236	0.0010	0.00030	mg/l	0.0250	ND	94	65-130			
1,1-Dichloroethene	0.0250	0.0010	0.00042	mg/l	0.0250	ND	100	60-130			
1,3-Dichloropropane	0.0279	0.0010	0.00032	mg/l	0.0250	ND	112	65-135			
2,2-Dichloropropane	0.0301	0.0010	0.00034	mg/l	0.0250	ND	120	60-145			
1,2-Dichloropropane	0.0272	0.0010	0.00035	mg/l	0.0250	ND	109	65-130			
cis-1,3-Dichloropropene	0.0313	0.00050	0.00022	mg/l	0.0250	ND	125	70-130			
trans-1,3-Dichloropropene	0.0332	0.00050	0.00032	mg/l	0.0250	ND	133	65-135			
1,1-Dichloropropene	0.0282	0.0010	0.00028	mg/l	0.0250	ND	113	70-135			
Ethylbenzene	0.0257	0.00050	0.00025	mg/l	0.0250	ND	103	65-130			

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
Matrix Spike Analyzed: 07/03/2008 (8G03011-MS1)						**Source: IRG0258-01**					
1,2-Dichloroethane	0.0340	0.00050	0.00028	mg/l	0.0250	ND	136	60-140			
Hexachlorobutadiene	0.0250	0.0010	0.00038	mg/l	0.0250	ND	100	60-135			
Isopropylbenzene	0.0293	0.0010	0.00025	mg/l	0.0250	ND	117	70-135			
p-Isopropyltoluene	0.0264	0.0010	0.00028	mg/l	0.0250	ND	106	65-130			
Methylene chloride	0.0268	0.0050	0.00095	mg/l	0.0250	ND	107	50-135			
Naphthalene	0.0267	0.0010	0.00041	mg/l	0.0250	0.000430	105	50-140			
n-Propylbenzene	0.0273	0.0010	0.00027	mg/l	0.0250	ND	109	70-135			
Styrene	0.0230	0.0010	0.00020	mg/l	0.0250	ND	92	50-145			
1,1,1,2-Tetrachloroethane	0.0316	0.0010	0.00027	mg/l	0.0250	ND	126	65-140			
1,1,2,2-Tetrachloroethane	0.0276	0.0010	0.00030	mg/l	0.0250	ND	110	55-135			
Tetrachloroethene	0.0259	0.0010	0.00032	mg/l	0.0250	ND	103	65-130			
Toluene	0.0248	0.00050	0.00036	mg/l	0.0250	ND	99	70-125			
1,2,3-Trichlorobenzene	0.0277	0.0010	0.00030	mg/l	0.0250	0.000400	109	60-135			
1,2,4-Trichlorobenzene	0.0271	0.0010	0.00048	mg/l	0.0250	ND	108	65-135			
1,1,1-Trichloroethane	0.0329	0.0010	0.00030	mg/l	0.0250	ND	132	65-140			
1,1,2-Trichloroethane	0.0291	0.0010	0.00030	mg/l	0.0250	ND	116	65-130			
Trichloroethene	0.0274	0.0010	0.00026	mg/l	0.0250	ND	110	65-125			
Trichlorofluoromethane	0.0336	0.0010	0.00034	mg/l	0.0250	ND	134	60-145			
1,2,3-Trichloropropane	0.0279	0.0010	0.00040	mg/l	0.0250	ND	112	55-135			
1,2,4-Trimethylbenzene	0.0269	0.0010	0.00023	mg/l	0.0250	ND	108	55-135			
1,3,5-Trimethylbenzene	0.0268	0.0010	0.00026	mg/l	0.0250	ND	107	70-130			
Vinyl chloride	0.0276	0.00050	0.00040	mg/l	0.0250	ND	110	45-140			
m,p-Xylenes	0.0505	0.0010	0.00060	mg/l	0.0500	ND	101	65-130			
o-Xylene	0.0271	0.00050	0.00030	mg/l	0.0250	ND	108	65-125			
Di-isopropyl Ether (DIPE)	0.0281	0.0010	0.00025	mg/l	0.0250	ND	112	60-140			
Ethyl tert-Butyl Ether (ETBE)	0.0288	0.0010	0.00028	mg/l	0.0250	ND	115	60-135			
Methyl-tert-butyl Ether (MTBE)	0.0287	0.0010	0.00032	mg/l	0.0250	ND	115	55-145			
tert-Amyl Methyl Ether (TAME)	0.0295	0.0010	0.00033	mg/l	0.0250	ND	118	60-140			
tert-Butanol (TBA)	0.146	0.010	0.0065	mg/l	0.125	ND	117	65-140			
Ethanol	0.302	0.15	0.10	mg/l	0.250	ND	121	40-155			
Surrogate: 4-Bromofluorobenzene	*0.0241*			*mg/l*	*0.0250*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0270*			*mg/l*	*0.0250*		*108*	*80-120*			
Surrogate: Toluene-d8	*0.0243*			*mg/l*	*0.0250*		*97*	*80-120*			

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
Matrix Spike Dup Analyzed: 07/03/2008 (8G03011-MSD1)						**Source: IRG0258-01**					
Benzene	0.0258	0.00050	0.00028	mg/l	0.0250	ND	103	65-125	5	20	
Bromobenzene	0.0290	0.0010	0.00027	mg/l	0.0250	ND	116	70-125	6	20	
Bromochloromethane	0.0292	0.0010	0.00040	mg/l	0.0250	ND	117	65-135	2	25	
Bromodichloromethane	0.0319	0.0010	0.00030	mg/l	0.0250	ND	128	70-135	0	20	
Bromoform	0.0284	0.0010	0.00040	mg/l	0.0250	ND	113	55-135	4	25	
Bromomethane	0.0277	0.0010	0.00042	mg/l	0.0250	ND	111	55-145	4	25	
n-Butylbenzene	0.0265	0.0010	0.00037	mg/l	0.0250	ND	106	65-135	2	20	
tert-Butylbenzene	0.0277	0.0010	0.00022	mg/l	0.0250	ND	111	65-130	4	20	
sec-Butylbenzene	0.0258	0.0010	0.00025	mg/l	0.0250	ND	103	70-125	1	20	
Carbon tetrachloride	0.0377	0.00050	0.00028	mg/l	0.0250	ND	151	65-140	2	25	*M7*
Chlorobenzene	0.0273	0.0010	0.00036	mg/l	0.0250	ND	109	75-125	8	20	
Chloroethane	0.0289	0.0010	0.00040	mg/l	0.0250	ND	116	55-140	3	25	
Chloroform	0.0299	0.0010	0.00033	mg/l	0.0250	ND	120	65-135	2	20	
Chloromethane	0.0293	0.0010	0.00040	mg/l	0.0250	ND	117	45-145	3	25	
4-Chlorotoluene	0.0284	0.0010	0.00029	mg/l	0.0250	ND	114	70-135	7	20	
2-Chlorotoluene	0.0273	0.0010	0.00028	mg/l	0.0250	ND	109	65-135	5	20	
1,2-Dibromo-3-chloropropane	0.0304	0.0050	0.00097	mg/l	0.0250	ND	122	45-145	1	30	
Dibromochloromethane	0.0355	0.0010	0.00040	mg/l	0.0250	ND	142	65-140	7	25	*M1*
1,2-Dibromoethane (EDB)	0.0288	0.0010	0.00040	mg/l	0.0250	ND	115	70-130	5	25	
Dibromomethane	0.0298	0.0010	0.00036	mg/l	0.0250	ND	119	65-135	1	25	
1,2-Dichlorobenzene	0.0289	0.0010	0.00032	mg/l	0.0250	ND	116	75-125	6	20	
1,3-Dichlorobenzene	0.0281	0.0010	0.00035	mg/l	0.0250	ND	112	75-125	1	20	
1,4-Dichlorobenzene	0.0256	0.0010	0.00037	mg/l	0.0250	ND	103	75-125	0	20	
Dichlorodifluoromethane	0.0310	0.0020	0.00026	mg/l	0.0250	ND	124	25-155	1	30	
1,1-Dichloroethane	0.0283	0.0010	0.00040	mg/l	0.0250	ND	113	65-130	0	20	
cis-1,2-Dichloroethene	0.0251	0.0010	0.00032	mg/l	0.0250	ND	101	65-130	1	20	
trans-1,2-Dichloroethene	0.0242	0.0010	0.00030	mg/l	0.0250	ND	97	65-130	3	20	
1,1-Dichloroethene	0.0253	0.0010	0.00042	mg/l	0.0250	ND	101	60-130	1	20	
1,3-Dichloropropane	0.0295	0.0010	0.00032	mg/l	0.0250	ND	118	65-135	6	25	
2,2-Dichloropropane	0.0326	0.0010	0.00034	mg/l	0.0250	ND	131	60-145	8	25	
1,2-Dichloropropane	0.0287	0.0010	0.00035	mg/l	0.0250	ND	115	65-130	5	20	
cis-1,3-Dichloropropene	0.0311	0.00050	0.00022	mg/l	0.0250	ND	124	70-130	1	20	
trans-1,3-Dichloropropene	0.0330	0.00050	0.00032	mg/l	0.0250	ND	132	65-135	1	25	
1,1-Dichloropropene	0.0283	0.0010	0.00028	mg/l	0.0250	ND	113	70-135	0	20	
Ethylbenzene	0.0282	0.00050	0.00025	mg/l	0.0250	ND	113	65-130	9	20	

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Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03011 Extracted: 07/03/08											
Matrix Spike Dup Analyzed: 07/03/2008 (8G03011-MSD1)						**Source: IRG0258-01**					
1,2-Dichloroethane	0.0336	0.00050	0.00028	mg/l	0.0250	ND	134	60-140	1	20	
Hexachlorobutadiene	0.0257	0.0010	0.00038	mg/l	0.0250	ND	103	60-135	3	20	
Isopropylbenzene	0.0321	0.0010	0.00025	mg/l	0.0250	ND	128	70-135	9	20	
p-Isopropyltoluene	0.0272	0.0010	0.00028	mg/l	0.0250	ND	109	65-130	3	20	
Methylene chloride	0.0268	0.0050	0.00095	mg/l	0.0250	ND	107	50-135	0	20	
Naphthalene	0.0274	0.0010	0.00041	mg/l	0.0250	0.000430	108	50-140	2	30	
n-Propylbenzene	0.0289	0.0010	0.00027	mg/l	0.0250	ND	116	70-135	6	20	
Styrene	0.0252	0.0010	0.00020	mg/l	0.0250	ND	101	50-145	9	30	
1,1,1,2-Tetrachloroethane	0.0343	0.0010	0.00027	mg/l	0.0250	ND	137	65-140	8	20	
1,1,2,2-Tetrachloroethane	0.0281	0.0010	0.00030	mg/l	0.0250	ND	112	55-135	2	30	
Tetrachloroethene	0.0294	0.0010	0.00032	mg/l	0.0250	ND	118	65-130	13	20	
Toluene	0.0249	0.00050	0.00036	mg/l	0.0250	ND	100	70-125	0	20	
1,2,3-Trichlorobenzene	0.0284	0.0010	0.00030	mg/l	0.0250	0.000400	112	60-135	2	20	
1,2,4-Trichlorobenzene	0.0277	0.0010	0.00048	mg/l	0.0250	ND	111	65-135	2	20	
1,1,1-Trichloroethane	0.0332	0.0010	0.00030	mg/l	0.0250	ND	133	65-140	1	20	
1,1,2-Trichloroethane	0.0271	0.0010	0.00030	mg/l	0.0250	ND	108	65-130	7	25	
Trichloroethene	0.0287	0.0010	0.00026	mg/l	0.0250	ND	115	65-125	5	20	
Trichlorofluoromethane	0.0339	0.0010	0.00034	mg/l	0.0250	ND	136	60-145	1	25	
1,2,3-Trichloropropane	0.0282	0.0010	0.00040	mg/l	0.0250	ND	113	55-135	1	30	
1,2,4-Trimethylbenzene	0.0274	0.0010	0.00023	mg/l	0.0250	ND	110	55-135	2	25	
1,3,5-Trimethylbenzene	0.0285	0.0010	0.00026	mg/l	0.0250	ND	114	70-130	6	20	
Vinyl chloride	0.0288	0.00050	0.00040	mg/l	0.0250	ND	115	45-140	4	30	
m,p-Xylenes	0.0538	0.0010	0.00060	mg/l	0.0500	ND	108	65-130	6	25	
o-Xylene	0.0297	0.00050	0.00030	mg/l	0.0250	ND	119	65-125	9	20	
Di-isopropyl Ether (DIPE)	0.0295	0.0010	0.00025	mg/l	0.0250	ND	118	60-140	5	25	
Ethyl tert-Butyl Ether (ETBE)	0.0304	0.0010	0.00028	mg/l	0.0250	ND	121	60-135	5	25	
Methyl-tert-butyl Ether (MTBE)	0.0288	0.0010	0.00032	mg/l	0.0250	ND	115	55-145	1	25	
tert-Amyl Methyl Ether (TAME)	0.0301	0.0010	0.00033	mg/l	0.0250	ND	120	60-140	2	30	
tert-Butanol (TBA)	0.148	0.010	0.0065	mg/l	0.125	ND	119	65-140	2	25	
Ethanol	0.308	0.15	0.10	mg/l	0.250	ND	123	40-155	2	30	
Surrogate: 4-Bromofluorobenzene	*0.0248*			*mg/l*	*0.0250*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0262*			*mg/l*	*0.0250*		*105*	*80-120*			
Surrogate: Toluene-d8	*0.0239*			*mg/l*	*0.0250*		*95*	*80-120*			

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Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07052 Extracted: 07/07/08											
Blank Analyzed: 07/09/2008 (8G07052-BLK1)											
Acenaphthene	ND	0.010	0.0030	mg/l							
Acenaphthylene	ND	0.010	0.0030	mg/l							
Aniline	ND	0.010	0.0025	mg/l							
Anthracene	ND	0.010	0.0020	mg/l							
Benzidine	ND	0.020	0.0085	mg/l							
Benzo(a)anthracene	ND	0.010	0.0020	mg/l							
Benzo(a)pyrene	ND	0.010	0.0020	mg/l							
Benzo(g,h,i)perylene	ND	0.010	0.0040	mg/l							
Benzo(b)fluoranthene	ND	0.010	0.0020	mg/l							
Benzo(k)fluoranthene	ND	0.010	0.0025	mg/l							
Benzoic acid	ND	0.020	0.010	mg/l							
Benzyl alcohol	ND	0.020	0.0025	mg/l							
4-Bromophenyl phenyl ether	ND	0.010	0.0030	mg/l							
Butyl benzyl phthalate	ND	0.020	0.0040	mg/l							
4-Chloro-3-methylphenol	ND	0.020	0.0025	mg/l							
4-Chloroaniline	ND	0.010	0.0020	mg/l							
Bis(2-chloroethoxy)methane	ND	0.010	0.0030	mg/l							
Bis(2-chloroethyl)ether	ND	0.010	0.0030	mg/l							
Bis(2-chloroisopropyl)ether	ND	0.010	0.0025	mg/l							
2-Chloronaphthalene	ND	0.010	0.0030	mg/l							
2-Chlorophenol	ND	0.010	0.0030	mg/l							
4-Chlorophenyl phenyl ether	ND	0.010	0.0025	mg/l							
Chrysene	ND	0.010	0.0025	mg/l							
Dibenz(a,h)anthracene	ND	0.020	0.0030	mg/l							
Dibenzofuran	ND	0.010	0.0040	mg/l							
Di-n-butyl phthalate	ND	0.020	0.0030	mg/l							
1,2-Dichlorobenzene	ND	0.010	0.0030	mg/l							
1,3-Dichlorobenzene	ND	0.010	0.0030	mg/l							
1,4-Dichlorobenzene	ND	0.010	0.0025	mg/l							
3,3-Dichlorobenzidine	ND	0.020	0.0030	mg/l							
2,4-Dichlorophenol	ND	0.010	0.0035	mg/l							
Diethyl phthalate	ND	0.010	0.0035	mg/l							
2,4-Dimethylphenol	ND	0.020	0.0035	mg/l							
Dimethyl phthalate	ND	0.010	0.0020	mg/l							
4,6-Dinitro-2-methylphenol	ND	0.020	0.0040	mg/l							

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Sampled: 07/02/08
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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07052 Extracted: 07/07/08											
Blank Analyzed: 07/09/2008 (8G07052-BLK1)											
2,4-Dinitrophenol	ND	0.020	0.0080	mg/l							
2,4-Dinitrotoluene	ND	0.010	0.0035	mg/l							
2,6-Dinitrotoluene	ND	0.010	0.0020	mg/l							
Di-n-octyl phthalate	ND	0.020	0.0035	mg/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.020	0.0025	mg/l							
Bis(2-ethylhexyl)phthalate	0.00638	0.050	0.0040	mg/l							*J*
Fluoranthene	ND	0.010	0.0030	mg/l							
Fluorene	ND	0.010	0.0030	mg/l							
Hexachlorobenzene	ND	0.010	0.0030	mg/l							
Hexachlorobutadiene	ND	0.010	0.0040	mg/l							
Hexachlorocyclopentadiene	ND	0.020	0.0050	mg/l							
Hexachloroethane	ND	0.010	0.0035	mg/l							
Indeno(1,2,3-cd)pyrene	ND	0.020	0.0035	mg/l							
Isophorone	ND	0.010	0.0025	mg/l							
2-Methylnaphthalene	ND	0.010	0.0020	mg/l							
2-Methylphenol	ND	0.010	0.0030	mg/l							
4-Methylphenol	ND	0.010	0.0030	mg/l							
Naphthalene	ND	0.010	0.0030	mg/l							
2-Nitroaniline	ND	0.020	0.0020	mg/l							
3-Nitroaniline	ND	0.020	0.0030	mg/l							
4-Nitroaniline	ND	0.020	0.0040	mg/l							
Nitrobenzene	ND	0.020	0.0025	mg/l							
2-Nitrophenol	ND	0.010	0.0035	mg/l							
4-Nitrophenol	ND	0.020	0.0055	mg/l							
N-Nitroso-di-n-propylamine	ND	0.010	0.0035	mg/l							
N-Nitrosodimethylamine	ND	0.020	0.0025	mg/l							
N-Nitrosodiphenylamine	ND	0.010	0.0020	mg/l							
Pentachlorophenol	ND	0.020	0.0035	mg/l							
Phenanthrene	ND	0.010	0.0035	mg/l							
Phenol	ND	0.010	0.0020	mg/l							
Pyrene	ND	0.010	0.0040	mg/l							
1,2,4-Trichlorobenzene	ND	0.010	0.0025	mg/l							
2,4,5-Trichlorophenol	ND	0.020	0.0030	mg/l							
2,4,6-Trichlorophenol	ND	0.020	0.0045	mg/l							
Surrogate: 2,4,6-Tribromophenol	*0.208*			*mg/l*	*0.200*		*104*	*40-120*			

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Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07052 Extracted: 07/07/08											
Blank Analyzed: 07/09/2008 (8G07052-BLK1)											
Surrogate: 2-Fluorobiphenyl	*0.0809*			*mg/l*	*0.100*		*81*	*50-120*			
Surrogate: 2-Fluorophenol	*0.155*			*mg/l*	*0.200*		*78*	*30-120*			
Surrogate: Nitrobenzene-d5	*0.0838*			*mg/l*	*0.100*		*84*	*45-120*			
Surrogate: Phenol-d6	*0.167*			*mg/l*	*0.200*		*83*	*35-120*			
Surrogate: Terphenyl-d14	*0.0864*			*mg/l*	*0.100*		*86*	*50-125*			
LCS Analyzed: 07/09/2008 (8G07052-BS1)											**MNR1**
Acenaphthene	0.0767	0.010	0.0030	mg/l	0.100		77	60-120			
Acenaphthylene	0.0791	0.010	0.0030	mg/l	0.100		79	60-120			
Aniline	0.0803	0.010	0.0025	mg/l	0.100		80	35-120			
Anthracene	0.0846	0.010	0.0020	mg/l	0.100		85	65-120			
Benzidine	0.118	0.020	0.0085	mg/l	0.100		118	30-160			
Benzo(a)anthracene	0.0734	0.010	0.0020	mg/l	0.100		73	65-120			
Benzo(a)pyrene	0.0888	0.010	0.0020	mg/l	0.100		89	55-130			
Benzo(g,h,i)perylene	0.0823	0.010	0.0040	mg/l	0.100		82	45-135			
Benzo(b)fluoranthene	0.0892	0.010	0.0020	mg/l	0.100		89	55-125			
Benzo(k)fluoranthene	0.0950	0.010	0.0025	mg/l	0.100		95	50-125			
Benzoic acid	0.0716	0.020	0.010	mg/l	0.100		72	25-120			
Benzyl alcohol	0.0846	0.020	0.0025	mg/l	0.100		85	50-120			
4-Bromophenyl phenyl ether	0.0773	0.010	0.0030	mg/l	0.100		77	60-120			
Butyl benzyl phthalate	0.0823	0.020	0.0040	mg/l	0.100		82	55-130			
4-Chloro-3-methylphenol	0.0852	0.020	0.0025	mg/l	0.100		85	60-120			
4-Chloroaniline	0.0873	0.010	0.0020	mg/l	0.100		87	55-120			
Bis(2-chloroethoxy)methane	0.0798	0.010	0.0030	mg/l	0.100		80	55-120			
Bis(2-chloroethyl)ether	0.0710	0.010	0.0030	mg/l	0.100		71	50-120			
Bis(2-chloroisopropyl)ether	0.0798	0.010	0.0025	mg/l	0.100		80	45-120			
2-Chloronaphthalene	0.0756	0.010	0.0030	mg/l	0.100		76	60-120			
2-Chlorophenol	0.0735	0.010	0.0030	mg/l	0.100		74	45-120			
4-Chlorophenyl phenyl ether	0.0794	0.010	0.0025	mg/l	0.100		79	65-120			
Chrysene	0.0789	0.010	0.0025	mg/l	0.100		79	65-120			
Dibenz(a,h)anthracene	0.0802	0.020	0.0030	mg/l	0.100		80	50-135			
Dibenzofuran	0.0857	0.010	0.0040	mg/l	0.100		86	65-120			
Di-n-butyl phthalate	0.0872	0.020	0.0030	mg/l	0.100		87	60-125			
1,2-Dichlorobenzene	0.0660	0.010	0.0030	mg/l	0.100		66	40-120			
1,3-Dichlorobenzene	0.0639	0.010	0.0030	mg/l	0.100		64	35-120			
1,4-Dichlorobenzene	0.0643	0.010	0.0025	mg/l	0.100		64	35-120			

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07052 Extracted: 07/07/08											
LCS Analyzed: 07/09/2008 (8G07052-BS1)											**MNR1**
3,3-Dichlorobenzidine	0.0608	0.020	0.0030	mg/l	0.100		61	45-135			
2,4-Dichlorophenol	0.0782	0.010	0.0035	mg/l	0.100		78	55-120			
Diethyl phthalate	0.0815	0.010	0.0035	mg/l	0.100		82	55-120			
2,4-Dimethylphenol	0.0726	0.020	0.0035	mg/l	0.100		73	40-120			
Dimethyl phthalate	0.0809	0.010	0.0020	mg/l	0.100		81	30-120			
4,6-Dinitro-2-methylphenol	0.0817	0.020	0.0040	mg/l	0.100		82	45-120			
2,4-Dinitrophenol	0.0769	0.020	0.0080	mg/l	0.100		77	40-120			
2,4-Dinitrotoluene	0.0862	0.010	0.0035	mg/l	0.100		86	65-120			
2,6-Dinitrotoluene	0.0821	0.010	0.0020	mg/l	0.100		82	65-120			
Di-n-octyl phthalate	0.102	0.020	0.0035	mg/l	0.100		102	65-135			
1,2-Diphenylhydrazine/Azobenzene	0.0767	0.020	0.0025	mg/l	0.100		77	60-120			
Bis(2-ethylhexyl)phthalate	0.0736	0.050	0.0040	mg/l	0.100		74	65-130			
Fluoranthene	0.0859	0.010	0.0030	mg/l	0.100		86	60-120			
Fluorene	0.0804	0.010	0.0030	mg/l	0.100		80	65-120			
Hexachlorobenzene	0.0773	0.010	0.0030	mg/l	0.100		77	60-120			
Hexachlorobutadiene	0.0673	0.010	0.0040	mg/l	0.100		67	40-120			
Hexachlorocyclopentadiene	0.0610	0.020	0.0050	mg/l	0.100		61	25-120			
Hexachloroethane	0.0614	0.010	0.0035	mg/l	0.100		61	35-120			
Indeno(1,2,3-cd)pyrene	0.0758	0.020	0.0035	mg/l	0.100		76	45-135			
Isophorone	0.0818	0.010	0.0025	mg/l	0.100		82	50-120			
2-Methylnaphthalene	0.0797	0.010	0.0020	mg/l	0.100		80	55-120			
2-Methylphenol	0.0793	0.010	0.0030	mg/l	0.100		79	50-120			
4-Methylphenol	0.0789	0.010	0.0030	mg/l	0.100		79	50-120			
Naphthalene	0.0722	0.010	0.0030	mg/l	0.100		72	55-120			
2-Nitroaniline	0.0965	0.020	0.0020	mg/l	0.100		97	65-120			
3-Nitroaniline	0.0913	0.020	0.0030	mg/l	0.100		91	60-120			
4-Nitroaniline	0.0952	0.020	0.0040	mg/l	0.100		95	55-125			
Nitrobenzene	0.0783	0.020	0.0025	mg/l	0.100		78	55-120			
2-Nitrophenol	0.0777	0.010	0.0035	mg/l	0.100		78	50-120			
4-Nitrophenol	0.0828	0.020	0.0055	mg/l	0.100		83	45-120			
N-Nitroso-di-n-propylamine	0.0815	0.010	0.0035	mg/l	0.100		82	45-120			
N-Nitrosodimethylamine	0.0712	0.020	0.0025	mg/l	0.100		71	45-120			
N-Nitrosodiphenylamine	0.0769	0.010	0.0020	mg/l	0.100		77	60-120			
Pentachlorophenol	0.0807	0.020	0.0035	mg/l	0.100		81	50-120			
Phenanthrene	0.0839	0.010	0.0035	mg/l	0.100		84	65-120			

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BP Carson
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Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07052 Extracted: 07/07/08											
LCS Analyzed: 07/09/2008 (8G07052-BS1)											**MNR1**
Phenol	0.0690	0.010	0.0020	mg/l	0.100		69	40-120			
Pyrene	0.0816	0.010	0.0040	mg/l	0.100		82	55-125			
1,2,4-Trichlorobenzene	0.0703	0.010	0.0025	mg/l	0.100		70	45-120			
2,4,5-Trichlorophenol	0.0785	0.020	0.0030	mg/l	0.100		79	55-120			
2,4,6-Trichlorophenol	0.0785	0.020	0.0045	mg/l	0.100		79	55-120			
Surrogate: 2,4,6-Tribromophenol	*0.185*			*mg/l*	*0.200*		*92*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*0.0776*			*mg/l*	*0.100*		*78*	*50-120*			
Surrogate: 2-Fluorophenol	*0.126*			*mg/l*	*0.200*		*63*	*30-120*			
Surrogate: Nitrobenzene-d5	*0.0797*			*mg/l*	*0.100*		*80*	*45-120*			
Surrogate: Phenol-d6	*0.142*			*mg/l*	*0.200*		*71*	*35-120*			
Surrogate: Terphenyl-d14	*0.0849*			*mg/l*	*0.100*		*85*	*50-125*			
LCS Dup Analyzed: 07/09/2008 (8G07052-BSD1)											
Acenaphthene	0.0707	0.010	0.0030	mg/l	0.100		71	60-120	8	20	
Acenaphthylene	0.0723	0.010	0.0030	mg/l	0.100		72	60-120	9	20	
Aniline	0.0713	0.010	0.0025	mg/l	0.100		71	35-120	12	30	
Anthracene	0.0817	0.010	0.0020	mg/l	0.100		82	65-120	4	20	
Benzidine	0.123	0.020	0.0085	mg/l	0.100		123	30-160	3	35	
Benzo(a)anthracene	0.0704	0.010	0.0020	mg/l	0.100		70	65-120	4	20	
Benzo(a)pyrene	0.0872	0.010	0.0020	mg/l	0.100		87	55-130	2	25	
Benzo(g,h,i)perylene	0.0781	0.010	0.0040	mg/l	0.100		78	45-135	5	25	
Benzo(b)fluoranthene	0.0849	0.010	0.0020	mg/l	0.100		85	55-125	5	25	
Benzo(k)fluoranthene	0.0945	0.010	0.0025	mg/l	0.100		95	50-125	1	20	
Benzoic acid	0.0677	0.020	0.010	mg/l	0.100		68	25-120	6	30	
Benzyl alcohol	0.0755	0.020	0.0025	mg/l	0.100		75	50-120	11	20	
4-Bromophenyl phenyl ether	0.0718	0.010	0.0030	mg/l	0.100		72	60-120	7	25	
Butyl benzyl phthalate	0.0783	0.020	0.0040	mg/l	0.100		78	55-130	5	20	
4-Chloro-3-methylphenol	0.0788	0.020	0.0025	mg/l	0.100		79	60-120	8	25	
4-Chloroaniline	0.0798	0.010	0.0020	mg/l	0.100		80	55-120	9	25	
Bis(2-chloroethoxy)methane	0.0723	0.010	0.0030	mg/l	0.100		72	55-120	10	20	
Bis(2-chloroethyl)ether	0.0655	0.010	0.0030	mg/l	0.100		66	50-120	8	20	
Bis(2-chloroisopropyl)ether	0.0733	0.010	0.0025	mg/l	0.100		73	45-120	9	20	
2-Chloronaphthalene	0.0679	0.010	0.0030	mg/l	0.100		68	60-120	11	20	
2-Chlorophenol	0.0664	0.010	0.0030	mg/l	0.100		66	45-120	10	25	
4-Chlorophenyl phenyl ether	0.0763	0.010	0.0025	mg/l	0.100		76	65-120	4	20	
Chrysene	0.0752	0.010	0.0025	mg/l	0.100		75	65-120	5	20	

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BP Carson
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Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07052 Extracted: 07/07/08											
LCS Dup Analyzed: 07/09/2008 (8G07052-BSD1)											
Dibenz(a,h)anthracene	0.0773	0.020	0.0030	mg/l	0.100		77	50-135	4	25	
Dibenzofuran	0.0781	0.010	0.0040	mg/l	0.100		78	65-120	9	20	
Di-n-butyl phthalate	0.0845	0.020	0.0030	mg/l	0.100		85	60-125	3	20	
1,2-Dichlorobenzene	0.0598	0.010	0.0030	mg/l	0.100		60	40-120	10	25	
1,3-Dichlorobenzene	0.0558	0.010	0.0030	mg/l	0.100		56	35-120	14	25	
1,4-Dichlorobenzene	0.0568	0.010	0.0025	mg/l	0.100		57	35-120	12	25	
3,3-Dichlorobenzidine	0.0679	0.020	0.0030	mg/l	0.100		68	45-135	11	25	
2,4-Dichlorophenol	0.0726	0.010	0.0035	mg/l	0.100		73	55-120	7	20	
Diethyl phthalate	0.0778	0.010	0.0035	mg/l	0.100		78	55-120	5	30	
2,4-Dimethylphenol	0.0626	0.020	0.0035	mg/l	0.100		63	40-120	15	25	
Dimethyl phthalate	0.0774	0.010	0.0020	mg/l	0.100		77	30-120	4	30	
4,6-Dinitro-2-methylphenol	0.0809	0.020	0.0040	mg/l	0.100		81	45-120	1	25	
2,4-Dinitrophenol	0.0751	0.020	0.0080	mg/l	0.100		75	40-120	2	25	
2,4-Dinitrotoluene	0.0822	0.010	0.0035	mg/l	0.100		82	65-120	5	20	
2,6-Dinitrotoluene	0.0788	0.010	0.0020	mg/l	0.100		79	65-120	4	20	
Di-n-octyl phthalate	0.102	0.020	0.0035	mg/l	0.100		102	65-135	0	20	
1,2-Diphenylhydrazine/Azobenzene	0.0738	0.020	0.0025	mg/l	0.100		74	60-120	4	25	
Bis(2-ethylhexyl)phthalate	0.0736	0.050	0.0040	mg/l	0.100		74	65-130	0	20	
Fluoranthene	0.0846	0.010	0.0030	mg/l	0.100		85	60-120	2	20	
Fluorene	0.0765	0.010	0.0030	mg/l	0.100		77	65-120	5	20	
Hexachlorobenzene	0.0728	0.010	0.0030	mg/l	0.100		73	60-120	6	20	
Hexachlorobutadiene	0.0607	0.010	0.0040	mg/l	0.100		61	40-120	10	25	
Hexachlorocyclopentadiene	0.0576	0.020	0.0050	mg/l	0.100		58	25-120	6	30	
Hexachloroethane	0.0539	0.010	0.0035	mg/l	0.100		54	35-120	13	25	
Indeno(1,2,3-cd)pyrene	0.0726	0.020	0.0035	mg/l	0.100		73	45-135	4	25	
Isophorone	0.0758	0.010	0.0025	mg/l	0.100		76	50-120	8	20	
2-Methylnaphthalene	0.0725	0.010	0.0020	mg/l	0.100		72	55-120	10	20	
2-Methylphenol	0.0708	0.010	0.0030	mg/l	0.100		71	50-120	11	20	
4-Methylphenol	0.0709	0.010	0.0030	mg/l	0.100		71	50-120	11	20	
Naphthalene	0.0656	0.010	0.0030	mg/l	0.100		66	55-120	10	20	
2-Nitroaniline	0.0892	0.020	0.0020	mg/l	0.100		89	65-120	8	20	
3-Nitroaniline	0.0877	0.020	0.0030	mg/l	0.100		88	60-120	4	25	
4-Nitroaniline	0.0922	0.020	0.0040	mg/l	0.100		92	55-125	3	20	
Nitrobenzene	0.0702	0.020	0.0025	mg/l	0.100		70	55-120	11	25	
2-Nitrophenol	0.0709	0.010	0.0035	mg/l	0.100		71	50-120	9	25	

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Project ID: BP Carson RW
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Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07052 Extracted: 07/07/08											
LCS Dup Analyzed: 07/09/2008 (8G07052-BSD1)											
4-Nitrophenol	0.0787	0.020	0.0055	mg/l	0.100		79	45-120	5	30	
N-Nitroso-di-n-propylamine	0.0770	0.010	0.0035	mg/l	0.100		77	45-120	6	20	
N-Nitrosodimethylamine	0.0654	0.020	0.0025	mg/l	0.100		65	45-120	9	20	
N-Nitrosodiphenylamine	0.0724	0.010	0.0020	mg/l	0.100		72	60-120	6	20	
Pentachlorophenol	0.0749	0.020	0.0035	mg/l	0.100		75	50-120	7	25	
Phenanthrene	0.0804	0.010	0.0035	mg/l	0.100		80	65-120	4	20	
Phenol	0.0630	0.010	0.0020	mg/l	0.100		63	40-120	9	25	
Pyrene	0.0786	0.010	0.0040	mg/l	0.100		79	55-125	4	25	
1,2,4-Trichlorobenzene	0.0642	0.010	0.0025	mg/l	0.100		64	45-120	9	20	
2,4,5-Trichlorophenol	0.0718	0.020	0.0030	mg/l	0.100		72	55-120	9	30	
2,4,6-Trichlorophenol	0.0722	0.020	0.0045	mg/l	0.100		72	55-120	8	30	
Surrogate: 2,4,6-Tribromophenol	*0.173*			*mg/l*	*0.200*		*87*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*0.0685*			*mg/l*	*0.100*		*69*	*50-120*			
Surrogate: 2-Fluorophenol	*0.114*			*mg/l*	*0.200*		*57*	*30-120*			
Surrogate: Nitrobenzene-d5	*0.0733*			*mg/l*	*0.100*		*73*	*45-120*			
Surrogate: Phenol-d6	*0.128*			*mg/l*	*0.200*		*64*	*35-120*			
Surrogate: Terphenyl-d14	*0.0804*			*mg/l*	*0.100*		*80*	*50-125*			

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Sampled: 07/02/08
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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03030 Extracted: 07/03/08											
Blank Analyzed: 07/07/2008 (8G03030-BLK1)											
4,4'-DDD	ND	0.0000050	0.0000020	mg/l							
4,4'-DDE	ND	0.0000050	0.0000030	mg/l							
4,4'-DDT	ND	0.000010	0.0000040	mg/l							
Aldrin	ND	0.0000050	0.0000015	mg/l							
alpha-BHC	ND	0.0000050	0.0000025	mg/l							
beta-BHC	ND	0.000010	0.0000040	mg/l							
delta-BHC	ND	0.0000050	0.0000035	mg/l							
gamma-BHC (Lindane)	ND	0.000010	0.0000030	mg/l							
Dieldrin	ND	0.0000050	0.0000020	mg/l							
Endosulfan I	ND	0.0000050	0.0000020	mg/l							
Endosulfan II	ND	0.0000050	0.0000030	mg/l							
Endosulfan sulfate	ND	0.000010	0.0000030	mg/l							
Endrin	ND	0.0000050	0.0000020	mg/l							
Endrin aldehyde	ND	0.000010	0.0000020	mg/l							
Endrin ketone	ND	0.000010	0.0000030	mg/l							
Heptachlor	ND	0.000010	0.0000030	mg/l							
Heptachlor epoxide	ND	0.0000050	0.0000025	mg/l							
Methoxychlor	ND	0.0000050	0.0000035	mg/l							
Chlordane	ND	0.00010	0.000030	mg/l							
Toxaphene	ND	0.00010	0.000070	mg/l							
Surrogate: Decachlorobiphenyl	*0.000385*			*mg/l*	*0.000500*		*77*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.000277*			*mg/l*	*0.000500*		*55*	*35-115*			
LCS Analyzed: 07/07/2008 (8G03030-BS1)											**MNR1**
4,4'-DDD	0.000389	0.0000050	0.0000020	mg/l	0.000500		78	55-120			
4,4'-DDE	0.000359	0.0000050	0.0000030	mg/l	0.000500		72	50-120			
4,4'-DDT	0.000378	0.000010	0.0000040	mg/l	0.000500		76	55-120			
Aldrin	0.000308	0.0000050	0.0000015	mg/l	0.000500		62	40-115			
alpha-BHC	0.000334	0.0000050	0.0000025	mg/l	0.000500		67	45-115			
beta-BHC	0.000343	0.000010	0.0000040	mg/l	0.000500		69	55-115			
delta-BHC	0.000363	0.0000050	0.0000035	mg/l	0.000500		73	55-115			
gamma-BHC (Lindane)	0.000353	0.000010	0.0000030	mg/l	0.000500		71	45-115			
Dieldrin	0.000349	0.0000050	0.0000020	mg/l	0.000500		70	55-115			
Endosulfan I	0.000340	0.0000050	0.0000020	mg/l	0.000500		68	55-115			
Endosulfan II	0.000379	0.0000050	0.0000030	mg/l	0.000500		76	55-120			
Endosulfan sulfate	0.000395	0.000010	0.0000030	mg/l	0.000500		79	60-120			

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Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03030 Extracted: 07/03/08											
LCS Analyzed: 07/07/2008 (8G03030-BS1)											**MNR1**
Endrin	0.000362	0.0000050	0.0000020	mg/l	0.000500		72	55-115			
Endrin aldehyde	0.000373	0.000010	0.0000020	mg/l	0.000500		75	50-120			
Endrin ketone	0.000384	0.000010	0.0000030	mg/l	0.000500		77	55-120			
Heptachlor	0.000304	0.000010	0.0000030	mg/l	0.000500		61	45-115			
Heptachlor epoxide	0.000329	0.0000050	0.0000025	mg/l	0.000500		66	55-115			
Methoxychlor	0.000403	0.0000050	0.0000035	mg/l	0.000500		81	60-120			
Surrogate: Decachlorobiphenyl	*0.000380*			*mg/l*	*0.000500*		*76*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.000276*			*mg/l*	*0.000500*		*55*	*35-115*			
LCS Dup Analyzed: 07/07/2008 (8G03030-BSD1)											
4,4'-DDD	0.000408	0.0000050	0.0000020	mg/l	0.000500		82	55-120	5	30	
4,4'-DDE	0.000386	0.0000050	0.0000030	mg/l	0.000500		77	50-120	7	30	
4,4'-DDT	0.000402	0.000010	0.0000040	mg/l	0.000500		80	55-120	6	30	
Aldrin	0.000353	0.0000050	0.0000015	mg/l	0.000500		71	40-115	14	30	
alpha-BHC	0.000384	0.0000050	0.0000025	mg/l	0.000500		77	45-115	14	30	
beta-BHC	0.000387	0.000010	0.0000040	mg/l	0.000500		77	55-115	12	30	
delta-BHC	0.000379	0.0000050	0.0000035	mg/l	0.000500		76	55-115	4	30	
gamma-BHC (Lindane)	0.000398	0.000010	0.0000030	mg/l	0.000500		80	45-115	12	30	
Dieldrin	0.000374	0.0000050	0.0000020	mg/l	0.000500		75	55-115	7	30	
Endosulfan I	0.000369	0.0000050	0.0000020	mg/l	0.000500		74	55-115	8	30	
Endosulfan II	0.000395	0.0000050	0.0000030	mg/l	0.000500		79	55-120	4	30	
Endosulfan sulfate	0.000426	0.000010	0.0000030	mg/l	0.000500		85	60-120	8	30	
Endrin	0.000388	0.0000050	0.0000020	mg/l	0.000500		78	55-115	7	30	
Endrin aldehyde	0.000405	0.000010	0.0000020	mg/l	0.000500		81	50-120	8	30	
Endrin ketone	0.000415	0.000010	0.0000030	mg/l	0.000500		83	55-120	8	30	
Heptachlor	0.000343	0.000010	0.0000030	mg/l	0.000500		69	45-115	12	30	
Heptachlor epoxide	0.000357	0.0000050	0.0000025	mg/l	0.000500		71	55-115	8	30	
Methoxychlor	0.000433	0.0000050	0.0000035	mg/l	0.000500		87	60-120	7	30	
Surrogate: Decachlorobiphenyl	*0.000422*			*mg/l*	*0.000500*		*84*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.000313*			*mg/l*	*0.000500*		*63*	*35-115*			

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METHOD BLANK/QC DATA

SOLUBLE POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03030 Extracted: 07/03/08											
Blank Analyzed: 07/07/2008 (8G03030-BLK1)											
Aroclor 1016	ND	0.00050	0.00045	mg/l							
Aroclor 1221	ND	0.00050	0.00025	mg/l							
Aroclor 1232	ND	0.00050	0.00025	mg/l							
Aroclor 1242	ND	0.00050	0.00025	mg/l							
Aroclor 1248	ND	0.00050	0.00025	mg/l							
Aroclor 1254	ND	0.00050	0.00025	mg/l							
Aroclor 1260	ND	0.00050	0.00030	mg/l							
Surrogate: Decachlorobiphenyl	*0.000500*			*mg/l*	*0.000500*		*100*	*45-120*			
LCS Analyzed: 07/07/2008 (8G03030-BS2)											**MNR1**
Aroclor 1016	0.00298	0.00050	0.00045	mg/l	0.00400		75	50-115			
Aroclor 1260	0.00311	0.00050	0.00030	mg/l	0.00400		78	60-120			
Surrogate: Decachlorobiphenyl	*0.000414*			*mg/l*	*0.000500*		*83*	*45-120*			
LCS Dup Analyzed: 07/07/2008 (8G03030-BSD2)											
Aroclor 1016	0.00300	0.00050	0.00045	mg/l	0.00400		75	50-115	0	30	
Aroclor 1260	0.00327	0.00050	0.00030	mg/l	0.00400		82	60-120	5	25	
Surrogate: Decachlorobiphenyl	*0.000444*			*mg/l*	*0.000500*		*89*	*45-120*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07078 Extracted: 07/07/08											
Blank Analyzed: 07/07/2008 (8G07078-BLK1)											
Antimony	ND	0.0020	0.00020	mg/l							
Arsenic	ND	0.0010	0.00070	mg/l							
Beryllium	ND	0.00050	0.00020	mg/l							
Cadmium	ND	0.0010	0.00011	mg/l							
Chromium	ND	0.0020	0.00070	mg/l							
Copper	ND	0.0020	0.00075	mg/l							
Lead	ND	0.0010	0.00030	mg/l							
Nickel	ND	0.0020	0.00090	mg/l							
Selenium	ND	0.0020	0.00030	mg/l							
Silver	ND	0.0010	0.00030	mg/l							
Thallium	ND	0.0010	0.00020	mg/l							
Zinc	ND	0.020	0.0025	mg/l							
LCS Analyzed: 07/07/2008 (8G07078-BS1)											
Antimony	0.0789	0.0020	0.00020	mg/l	0.0800		99	80-120			
Arsenic	0.0773	0.0010	0.00070	mg/l	0.0800		97	80-120			
Beryllium	0.0768	0.00050	0.00020	mg/l	0.0800		96	80-120			
Cadmium	0.0793	0.0010	0.00011	mg/l	0.0800		99	80-120			
Chromium	0.0767	0.0020	0.00070	mg/l	0.0800		96	80-120			
Copper	0.0769	0.0020	0.00075	mg/l	0.0800		96	80-120			
Lead	0.0788	0.0010	0.00030	mg/l	0.0800		99	80-120			
Nickel	0.0783	0.0020	0.00090	mg/l	0.0800		98	80-120			
Selenium	0.0748	0.0020	0.00030	mg/l	0.0800		93	80-120			
Silver	0.0824	0.0010	0.00030	mg/l	0.0800		103	80-120			
Thallium	0.0779	0.0010	0.00020	mg/l	0.0800		97	80-120			
Zinc	0.0758	0.020	0.0025	mg/l	0.0800		95	80-120			
Matrix Spike Analyzed: 07/07/2008 (8G07078-MS1)						**Source: IRG0154-02**					
Antimony	0.0810	0.0020	0.00020	mg/l	0.0800	0.000257	101	75-125			
Arsenic	0.0887	0.0010	0.00070	mg/l	0.0800	0.0110	97	75-125			
Beryllium	0.0734	0.00050	0.00020	mg/l	0.0800	ND	92	75-125			
Cadmium	0.0755	0.0010	0.00011	mg/l	0.0800	0.000175	94	75-125			
Chromium	0.0783	0.0020	0.00070	mg/l	0.0800	0.00165	96	75-125			
Copper	0.0729	0.0020	0.00075	mg/l	0.0800	ND	91	75-125			
Lead	0.0722	0.0010	0.00030	mg/l	0.0800	ND	90	75-125			
Nickel	0.0759	0.0020	0.00090	mg/l	0.0800	0.000946	94	75-125			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07078 Extracted: 07/07/08											
Matrix Spike Analyzed: 07/07/2008 (8G07078-MS1)						**Source: IRG0154-02**					
Selenium	0.0704	0.0020	0.00030	mg/l	0.0800	ND	88	75-125			
Silver	0.0766	0.0010	0.00030	mg/l	0.0800	ND	96	75-125			
Thallium	0.0734	0.0010	0.00020	mg/l	0.0800	ND	92	75-125			
Zinc	0.0700	0.020	0.0025	mg/l	0.0800	0.00360	83	75-125			
Matrix Spike Dup Analyzed: 07/07/2008 (8G07078-MSD1)						**Source: IRG0154-02**					
Antimony	0.0809	0.0020	0.00020	mg/l	0.0800	0.000257	101	75-125	0	20	
Arsenic	0.0879	0.0010	0.00070	mg/l	0.0800	0.0110	96	75-125	1	20	
Beryllium	0.0751	0.00050	0.00020	mg/l	0.0800	ND	94	75-125	2	20	
Cadmium	0.0753	0.0010	0.00011	mg/l	0.0800	0.000175	94	75-125	0	20	
Chromium	0.0785	0.0020	0.00070	mg/l	0.0800	0.00165	96	75-125	0	20	
Copper	0.0731	0.0020	0.00075	mg/l	0.0800	ND	91	75-125	0	20	
Lead	0.0694	0.0010	0.00030	mg/l	0.0800	ND	87	75-125	4	20	
Nickel	0.0755	0.0020	0.00090	mg/l	0.0800	0.000946	93	75-125	1	20	
Selenium	0.0697	0.0020	0.00030	mg/l	0.0800	ND	87	75-125	1	20	
Silver	0.0775	0.0010	0.00030	mg/l	0.0800	ND	97	75-125	1	20	
Thallium	0.0746	0.0010	0.00020	mg/l	0.0800	ND	93	75-125	2	20	
Zinc	0.0696	0.020	0.0025	mg/l	0.0800	0.00360	82	75-125	1	20	
Batch: 8G11083 Extracted: 07/11/08											
Blank Analyzed: 07/11/2008 (8G11083-BLK1)											
Mercury	ND	0.00020	0.00010	mg/l							
LCS Analyzed: 07/11/2008 (8G11083-BS1)											
Mercury	0.00908	0.00020	0.00010	mg/l	0.00800		113	90-115			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G11083 Extracted: 07/11/08											
Matrix Spike Analyzed: 07/11/2008 (8G11083-MS1)						**Source: IRG0175-01**					
Mercury	0.00905	0.00020	0.00010	mg/l	0.00800	ND	113	75-120			
Matrix Spike Dup Analyzed: 07/11/2008 (8G11083-MSD1)						**Source: IRG0175-01**					
Mercury	0.00911	0.00020	0.00010	mg/l	0.00800	ND	114	75-120	1	20	

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G02043 Extracted: 07/02/08											
Blank Analyzed: 07/02/2008 (8G02043-BLK1)											
Nitrate-N	ND	0.11	0.060	mg/l							
LCS Analyzed: 07/02/2008 (8G02043-BS1)											
Nitrate-N	1.21	0.11	0.060	mg/l	1.13		107	90-110			
Matrix Spike Analyzed: 07/02/2008 (8G02043-MS1)						**Source: IRG0194-01**					
Nitrate-N	1.24	0.11	0.060	mg/l	1.13	0.0606	104	80-120			
Matrix Spike Analyzed: 07/03/2008 (8G02043-MS2)						**Source: IRG0214-01**					
Nitrate-N	1.89	0.11	0.060	mg/l	1.13	0.729	102	80-120			
Matrix Spike Dup Analyzed: 07/02/2008 (8G02043-MSD1)						**Source: IRG0194-01**					
Nitrate-N	1.25	0.11	0.060	mg/l	1.13	0.0606	106	80-120	1	20	
Batch: 8G02064 Extracted: 07/02/08											
Blank Analyzed: 07/07/2008 (8G02064-BLK1)											
Biochemical Oxygen Demand	ND	2.0	0.59	mg/l							
LCS Analyzed: 07/07/2008 (8G02064-BS1)											
Biochemical Oxygen Demand	212	100	30	mg/l	198		107	85-115			
LCS Dup Analyzed: 07/07/2008 (8G02064-BSD1)											
Biochemical Oxygen Demand	207	100	30	mg/l	198		105	85-115	3	20	
Batch: 8G02084 Extracted: 07/02/08											
Blank Analyzed: 07/02/2008 (8G02084-BLK1)											
Sulfide	ND	0.10	0.020	mg/l							

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G02084 Extracted: 07/02/08											
LCS Analyzed: 07/02/2008 (8G02084-BS1)											
Sulfide	0.611	0.10	0.020	mg/l	0.640		95	80-120			
Matrix Spike Analyzed: 07/02/2008 (8G02084-MS1)						**Source: IRG0150-01**					
Sulfide	0.581	0.10	0.020	mg/l	0.640	0.0884	77	70-130			
Matrix Spike Dup Analyzed: 07/02/2008 (8G02084-MSD1)						**Source: IRG0150-01**					
Sulfide	0.589	0.10	0.020	mg/l	0.640	0.0884	78	70-130	1	30	
Batch: 8G02116 Extracted: 07/02/08											
Duplicate Analyzed: 07/02/2008 (8G02116-DUP1)						**Source: IRG0175-03**					
Dissolved Oxygen	5.56	1.0	1.0	mg/l		5.51			1	20	*HFT*
Batch: 8G03017 Extracted: 07/03/08											
Blank Analyzed: 07/03/2008 (8G03017-BLK1)											
Hexane Extractable Material (Oil & Grease)	ND	5.0	1.4	mg/l							
LCS Analyzed: 07/03/2008 (8G03017-BS1)											**MNR1**
Hexane Extractable Material (Oil & Grease)	21.1	5.0	1.4	mg/l	20.2		104	78-114			
LCS Dup Analyzed: 07/03/2008 (8G03017-BSD1)											
Hexane Extractable Material (Oil & Grease)	20.4	5.0	1.4	mg/l	20.2		101	78-114	3	11	
Batch: 8G03037 Extracted: 07/03/08											
Blank Analyzed: 07/03/2008 (8G03037-BLK1)											
Residual Chlorine	ND	0.10	0.10	mg/l							

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G03037 Extracted: 07/03/08											
Duplicate Analyzed: 07/03/2008 (8G03037-DUP1)						**Source: IRG0175-01**					
Residual Chlorine	ND	0.10	0.10	mg/l		ND				20	*HFT*
Batch: 8G03074 Extracted: 07/03/08											
Blank Analyzed: 07/03/2008 (8G03074-BLK1)											
Surfactants (MBAS)	ND	0.10	0.044	mg/l							
LCS Analyzed: 07/03/2008 (8G03074-BS1)											
Surfactants (MBAS)	0.271	0.10	0.044	mg/l	0.250		108	90-110			
Matrix Spike Analyzed: 07/03/2008 (8G03074-MS1)						**Source: IRG0229-05**					
Surfactants (MBAS)	0.270	0.10	0.044	mg/l	0.250	0.0549	86	50-125			
Matrix Spike Dup Analyzed: 07/03/2008 (8G03074-MSD1)						**Source: IRG0229-05**					
Surfactants (MBAS)	0.288	0.10	0.044	mg/l	0.250	0.0549	93	50-125	7	20	
Batch: 8G03104 Extracted: 07/03/08											
Blank Analyzed: 07/03/2008 (8G03104-BLK1)											
Turbidity	0.0800	1.0	0.040	NTU							*J*
Duplicate Analyzed: 07/03/2008 (8G03104-DUP1)						**Source: IRG0175-01**					
Turbidity	1.03	1.0	0.040	NTU		0.980			5	20	
Batch: 8G05008 Extracted: 07/05/08											
Duplicate Analyzed: 07/05/2008 (8G05008-DUP1)						**Source: IRG0175-01**					
pH	7.82	0.100	0.100	pH Units		7.81			0	5	*HFT*

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G07075 Extracted: 07/07/08											
Blank Analyzed: 07/07/2008 (8G07075-BLK1)											
Hardness (as CaCO3)	ND	4.0	4.0	mg/l							
LCS Analyzed: 07/07/2008 (8G07075-BS1)											
Hardness (as CaCO3)	184	4.0	4.0	mg/l	194		95	90-110			
Duplicate Analyzed: 07/07/2008 (8G07075-DUP1)						**Source: IRF2323-01**					
Hardness (as CaCO3)	188	4.0	4.0	mg/l		188			0	20	
Batch: 8G08068 Extracted: 07/08/08											
Blank Analyzed: 07/08/2008 (8G08068-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 07/08/2008 (8G08068-BS1)											
Total Suspended Solids	1010	10	10	mg/l	1000		101	85-115			
Duplicate Analyzed: 07/08/2008 (8G08068-DUP1)						**Source: IRG0472-01**					
Total Suspended Solids	ND	10	10	mg/l		ND				10	
Batch: 8G08101 Extracted: 07/08/08											
Blank Analyzed: 07/08/2008 (8G08101-BLK1)											
Total Cyanide	ND	0.0050	0.0022	mg/l							
LCS Analyzed: 07/08/2008 (8G08101-BS1)											
Total Cyanide	0.205	0.0050	0.0022	mg/l	0.200		103	90-110			

TestAmerica Irvine

Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G08101 Extracted: 07/08/08											
Matrix Spike Analyzed: 07/08/2008 (8G08101-MS1)						**Source: IRG0244-01**					
Total Cyanide	0.197	0.0050	0.0022	mg/l	0.200	ND	99	70-115			
Matrix Spike Dup Analyzed: 07/08/2008 (8G08101-MSD1)						**Source: IRG0244-01**					
Total Cyanide	0.199	0.0050	0.0022	mg/l	0.200	ND	100	70-115	1	15	
Batch: 8G08114 Extracted: 07/07/08											
Blank Analyzed: 07/08/2008 (8G08114-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 07/08/2008 (8G08114-BS1)											
Total Organic Carbon	9.86	1.0	0.50	mg/l	10.0		99	90-110			
Matrix Spike Analyzed: 07/08/2008 (8G08114-MS1)						**Source: IRG0175-01**					
Total Organic Carbon	6.01	1.0	0.50	mg/l	5.00	ND	120	80-120			
Matrix Spike Dup Analyzed: 07/08/2008 (8G08114-MSD1)						**Source: IRG0175-01**					
Total Organic Carbon	6.33	1.0	0.50	mg/l	5.00	ND	127	80-120	5	20	*M1*
Batch: 8G09095 Extracted: 07/09/08											
Blank Analyzed: 07/09/2008 (8G09095-BLK1)											
Ammonia-N (Distilled)	ND	1.0	0.22	mg/l							
LCS Analyzed: 07/09/2008 (8G09095-BS1)											
Ammonia-N (Distilled)	4.78	1.0	0.22	mg/l	5.00		96	85-115			

TestAmerica Irvine

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8G09095 Extracted: 07/09/08											
Duplicate Analyzed: 07/09/2008 (8G09095-DUP1)						**Source: IRG0150-01**					
Ammonia-N (Distilled)	0.649	1.0	0.22	mg/l		0.702			8	15	*J*
Matrix Spike Analyzed: 07/09/2008 (8G09095-MS1)						**Source: IRG0344-01**					
Ammonia-N (Distilled)	5.17	1.0	0.22	mg/l	5.00	ND	103	75-125			
Matrix Spike Dup Analyzed: 07/09/2008 (8G09095-MSD1)						**Source: IRG0344-01**					
Ammonia-N (Distilled)	5.17	1.0	0.22	mg/l	5.00	ND	103	75-125	0	15	
Batch: 8G10048 Extracted: 07/10/08											
Duplicate Analyzed: 07/10/2008 (8G10048-DUP1)						**Source: IRG0175-02**					
Salinity	38.3	0.10	N/A	g/l		35.9			6	20	

TestAmerica Irvine

Patty Mata
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

METHOD BLANK/QC DATA

Organotin Compounds by GC - FPD

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 8070804 Extracted: 07/07/08											
Blank Analyzed: 07/11/2008 (8070804-BLK1)											
Tributyltin	ND	0.005	0.004	ug/l							
Dibutyltin	ND	0.020	0.007	ug/l							
Monobutyltin	ND	0.020	0.012	ug/l							
Surrogate: Tripentyltin	*0.241*			*ug/l*	*0.250*		*96*	*71-128*			
Surrogate: Tri-n-propyltin	*0.232*			*ug/l*	*0.250*		*93*	*67-130*			
LCS Analyzed: 07/11/2008 (8070804-BS1)											
Tributyltin	0.219	0.005	0.004	ug/l	0.250		87	65-138			
Dibutyltin	0.043	0.020	0.007	ug/l	0.250		17	5-88			
Monobutyltin	0.050	0.020	0.012	ug/l	0.250		20	0-88			
Surrogate: Tripentyltin	*0.231*			*ug/l*	*0.250*		*92*	*71-128*			
Surrogate: Tri-n-propyltin	*0.239*			*ug/l*	*0.250*		*96*	*67-130*			
LCS Dup Analyzed: 07/11/2008 (8070804-BSD1)											
Tributyltin	0.255	0.005	0.004	ug/l	0.250		102	65-138	15	30	
Dibutyltin	0.038	0.020	0.007	ug/l	0.250		15	5-88	12	30	
Monobutyltin	0.045	0.020	0.012	ug/l	0.250		18	0-88	11	30	
Surrogate: Tripentyltin	*0.206*			*ug/l*	*0.250*		*82*	*71-128*			
Surrogate: Tri-n-propyltin	*0.248*			*ug/l*	*0.250*		*99*	*67-130*			

TestAmerica Irvine

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B-1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M13	The sample spiked had a pH of less than 2. 2-Chloroethylvinylether degrades under acidic conditions.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
RL1	Reporting limit raised due to sample matrix effects.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

TestAmerica Irvine

Patty Mata
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 120.1	Water	X	X
EPA 130.2	Water	X	X
EPA 160.2	Water	X	X
EPA 160.5	Water	X	X
EPA 1664A	Water		
EPA 180.1	Water	X	X
EPA 300.0	Water	X	X
EPA 330.5	Water	X	X
EPA 3510/8082	Water	X	X
EPA 360.1	Water	X	X
EPA 376.2	Water	X	X
EPA 405.1	Water	X	X
EPA 415.1	Water	X	X
EPA 425.1	Water	X	X
EPA 6020	Water	X	X
EPA 7470A	Water	X	X
EPA 8081A	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C	Water	X	X
SM4500-CN-C,E	Water	X	X
SM4500-H,B	Water	X	X
SM4500NH3-D	Water		

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

Aquatic Testing Laboratories-SUB *California Cert #1775*
4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Acute 96hr
Samples: IRG0175-01

EnviroMatrix Analytical, Inc. - Sub
4340 Viewridge Avenue, Suite A - San Diego, CA 92123

Analysis Performed: Tributyl Tin
Samples: IRG0175-01

Method Performed: GC - FPD
Samples: IRG0175-01

TestAmerica Irvine

Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LWW
Report Number: IRG0175

Sampled: 07/02/08
Received: 07/02/08

TestAmerica West Sacramento

880 Riverside Parkway - West Sacramento, CA 95605

Analysis Performed: 8290-Diox-TCDD only

Samples: IRG0175-01, IRG0175-02

TestAmerica Irvine

Patty Mata
Project Manager

IRG0175

BP West Coast Products LLC — **Chain of Custody** — Page 1 of 1

Facility Name	Facility Address	BP Engineer	BP Telephone No.	BP Fax No.	Method of Shipment
BP Carson Refinery	1801 East Sepulveda Boulevard, Carson, CA 90749	Sara Chung	(310) 847-5638	(310) 847-5780	Courier

Laboratory: TestAmerica (949) 261-1022 Lab PM: Patty Mata

Sample I.D.	Lab Sample No.	No. of Containers	Matrix: Soil	Water	Air	Other	Prsv.: Yes	No	Sampling Date	Sampling Time	pH	Detergent (as MBAS)	Total Suspended Solids	Turbidity	Acute Toxicity	Residual Chlorine	Sulfides	Hardness (as CaCO3)	Metals Priority Pollutant List	Cyanide	Settleable Solids	Oil & Grease	BOD 5 20C	Total Organic Carbon	Tributyltin	Full Priority Pollutant List	Salinity	Nitrate (as N)	Ammonia, total	Dissolved Oxygen		Turn Around Time (business days)
OWG#123		3		X			X		7/2/08	1410	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						STD
RW-A		15		X			X		7/2/08	1420	X							X	X								X					STD
RW-B		4		X			X		7/2/08	1420	X																X	X	X	X		STD

Special Instructions:

RS 1630 7/2/08

Sample Received Intact: Yes No

Temperature received: Ice No ice

Lab Work No.

Relinq. by sampler (Sign & Print Name)	Date	Time	Received by (Sign & Print Name)		
SARA CHUNG	7/2/08	1525	Jonya Hanson	Jonya Hanson	1545
Relinquished by: Jonya Hanson	Date 7/2/08	Time 3:45 PM	Received by:		
Relinquished by:	Date 7-2-8	Time 1646	Received by laboratory:	Date 7/2/08	Time 1640

DID NOT COUNT IN FIELD PACKED IN ICE 3.5/3.6

#051

EnviroMatrix Analytical, Inc.

15 July 2008

Test America-Irvine
Attn: Patty Mata
17461 Derian Avenue, Suite 100
Irvine, CA 92614-5817

EMA Log #: 0807066

Project Name: IRG0175

Enclosed are the results of analyses for samples received by the laboratory on 07/03/08 11:37. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that this data is in compliance both technically and for completeness.

Dan Verdon
Laboratory Director

CA ELAP Certification #: 2564

4340 Viewridge Avenue, Suite A - San Diego, California 92123 - (858) 560-7717 - Fax (858) 560-7763
Analytical Chemistry Laboratory

Client Name: Test America-Irvine
Project Name: IRG0175

EMA Log #: 0807066

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IRG0175-01	0807066-01	Water	07/02/08 14:10	07/03/08 11:37

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client Name: Test America-Irvine
Project Name: IRG0175

EMA Log #: 0807066

Organotin Compounds by GC - FPD

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
IRG0175-01 (0807066-01) Water Sampled: 07/02/08 14:10 Received: 07/03/08 11:37										
Tributyltin	ND	0.004	0.005	ug/l	1	8070804	07/07/08	07/11/08	GC - FPD	
Dibutyltin	ND	0.007	0.020	"	"	"	"	"	"	
Monobutyltin	ND	0.012	0.020	"	"	"	"	"	"	
Surrogate: Tripentyltin		*101 %*	*71-128*			"	"	"	"	
Surrogate: Tri-n-propyltin		*104 %*	*67-130*			"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client Name: Test America-Irvine
Project Name: IRG0175

EMA Log #: 0807066

Organotin Compounds by GC - FPD - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8070804											
Blank (8070804-BLK1)					Prepared: 07/07/08 Analyzed: 07/11/08						
Tributyltin	ND	0.004	0.005	ug/l							
Dibutyltin	ND	0.007	0.020	"							
Monobutyltin	ND	0.012	0.020	"							
Surrogate: Tripentyltin	*0.241*			*"*	*0.250*		*96*	*71-128*			
Surrogate: Tri-n-propyltin	*0.232*			*"*	*0.250*		*93*	*67-130*			
LCS (8070804-BS1)					Prepared: 07/07/08 Analyzed: 07/11/08						
Tributyltin	0.219	0.004	0.005	ug/l	0.250		87	65-138			
Dibutyltin	0.043	0.007	0.020	"	0.250		17	5-88			
Monobutyltin	0.050	0.012	0.020	"	0.250		20	0-88			
Surrogate: Tripentyltin	*0.231*			*"*	*0.250*		*92*	*71-128*			
Surrogate: Tri-n-propyltin	*0.239*			*"*	*0.250*		*96*	*67-130*			
LCS Dup (8070804-BSD1)					Prepared: 07/07/08 Analyzed: 07/11/08						
Tributyltin	0.255	0.004	0.005	ug/l	0.250		102	65-138	15	30	
Dibutyltin	0.038	0.007	0.020	"	0.250		15	5-88	12	30	
Monobutyltin	0.045	0.012	0.020	"	0.250		18	0-88	11	30	
Surrogate: Tripentyltin	*0.206*			*"*	*0.250*		*82*	*71-128*			
Surrogate: Tri-n-propyltin	*0.248*			*"*	*0.250*		*99*	*67-130*			

Client Name: Test America-Irvine **EMA Log #: 0807066**
Project Name: IRG0175

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis (if indicated in units column)
RPD	Relative Percent Difference
MDL	Method detection limit (indicated per client's request)

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUBCONTRACT ORDER

TestAmerica Irvine

IRG0175

0807066

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:

EnviroMatrix Analytical, Inc. - Sub
4340 Viewridge Avenue, Suite A
San Diego, CA 92123
Phone :858-560-7717
Fax: 858-560-7763
Project Location: California
Receipt Temperature:_____°C Ice: Y / N

Analysis	Units	Due	Expires	Comments
Sample ID: IRG0175-01	**Water**		Sampled: **07/02/08 14:10**	
Tributyl Tin-OUT	ug/l	07/15/08	07/09/08 14:10	Sub Enviromatrix. Need transfer file & J flag.

Containers Supplied:
1 L Amber (R)

T= 5° c on ice

Sampler: Sara Chung

Released By	7-3-08 8:00 Date/Time	Received By	7-3-08 8:00 Date/Time
Released By	7-3-08 11:37 Date/Time	Received By	7/3/08 11:37 Date/Time

LABORATORY REPORT

Aquatic Testing Laboratories

"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Date: July 7, 2008

Client: TestAmerica, Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Patty Mata

Laboratory No.: A-08070307-001
Sample ID.: IRG0175-01

Sample Control: The sample was received by ATL within the recommended hold time, in a chilled state and with the chain of custody record attached.

Date Sampled:	07/02/08
Date Received:	07/03/08
Temp. Received:	0.5°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	07/03/08 to 07/07/08

Sample Analysis: The following analyses were performed on your sample:

Fathead Minnow 96hr Percent Survival Bioassay (EPA Method 2000.0).

Attached are the test data generated from the analysis of your sample.

Result Summary:

Sample ID.	Results
IRG0175-01	100% Survival (TUa = 0.0)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-08070307-001
Client/ID: TestAmerica - IRG0175-01 **Start Date: 07/03/2008**

TEST SUMMARY

Species: *Pimephales promelas*.
Age: 14 (1-14) days.
Regulations: NPDES.
Test solution volume: 250 ml.
Feeding: prior to renewal at 48 hrs.
Number of replicates: 2.
Dilution water: Moderately hard reconstituted water.
Photoperiod: 16/8 hrs light/dark.

Source: In-laboratory Culture.
Test type: Static-Renewal.
Test Protocol: EPA-821-R-02-012.
Endpoints: Percent Survival at 96 hrs.
Test chamber: 600 ml beakers.
Temperature: 20 +/- 1°C.
Number of fish per chamber: 10.
QA/QC Batch No.: RT-080701.

TEST DATA

		°C	DO	pH	# Dead A	# Dead B	Analyst & Time of Readings
INITIAL	Control	20.0	8.8	8.1	0	0	
	100%	19.3	8.4	7.7	0	0	1500
24 Hr	Control	19.4	7.8	8.0	0	0	
	100%	19.3	6.4	8.0	0	0	1430
48 Hr	Control	19.3	5.3	7.7	0	0	
	100%	19.3	6.7	7.5	0	0	1400
Renewal	Control	19.6	8.5	8.2	0	0	
	100%	20.5	8.9	7.6	0	0	1400
72 Hr	Control	19.4	6.8	7.8	0	0	
	100%	19.3	7.4	8.3	0	0	1430
96 Hr	Control	19.1	6.4	7.9	0	0	
	100%	19.1	6.9	8.0	0	0	1430

Comments:
Sample as received: Chlorine: 0.0 mg/l; pH: 7.7; Conductivity: 60 umho; Temp: 0.5°C;
DO: 8.4 mg/l; Alkalinity: 20 mg/l; Hardness: 21 mg/l; NH_3-N: 0.8 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / (No)
Control: Alkalinity: 68 mg/l; Hardness: 96 mg/l; Conductivity: 340 umho.
Test solution aerated (not to exceed 100 bubbles/min) to maintain DO >4.0 mg/l? Yes / (No)
Sample used for renewal is the original sample kept at 0-6°C with minimal headspace.
Dissolved Oxygen (DO) readings in mg/l O_2.

RESULTS

Percent Survival In: Control: 100 % 100% Sample: 100 %

SUBCONTRACT ORDER

TestAmerica Irvine

IRG0175

SENDING LABORATORY:

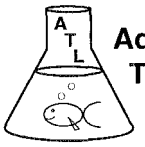
TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB
4350 Transport Street, Unit 107
Ventura, CA 93003
Phone :(805) 650-0546
Fax: (805) 650-0756
Project Location: California
Receipt Temperature: 0 °C Ice: (Y) / N

Analysis	Units	Due	Expires	Comments
Sample ID: IRG0175-01	**Water**		Sampled: **07/02/08 14:10**	
Bioassay-Acute 96hr	% Survival	07/15/08	07/04/08 02:10	Sub to ATL. 027F Fathead minnow % survival
Containers Supplied:				

7/3/08 0700		L DeLaney 7/3/08 0700	
Released By	Date/Time	Received By	Date/Time
L DeLaney 7/3/08 12:00		Lori Nantuya 7-3-08 1200	
Released By	Date/Time	Received By	Date/Time



Aquatic
Testing
Laboratories

REFERENCE TOXICANT DATA

FATHEAD MINNOW ACUTE
Method 2000.0
Reference Toxicant - SDS

Aquatic Testing Laboratories

QA/QC Batch No.: RT-080701

TEST SUMMARY

Species: *Pimephales promel*as.
Age: 14 days old.
Regulations: NPDES.
Test chamber volume: 250 ml.
Feeding: Prior to renewal at 48 hrs.
Temperature: 20 +/- 1°C.
Number of replicates: 2.
Dilution water: MHSF.

Source: In-lab culture.
Test type: Static-Renewal.
Test Protocol: EPA-821-R-02-012.
Endpoints: LC50 at 96 hrs.
Test chamber: 600 ml glass beakers.
Aeration: None.
Number of organisms per chamber: 10.
Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL			24 Hr					48 Hr				
Date/Time:	7-1-08 1320			7-2-08 1400					7-3-08 1520				
Analyst:													
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	19.8	9.8	8.2	19.1	7.7	7.9	0	0	19.2	6.7	7.7	0	0
1.0 mg/l	19.8	9.8	8.2	19.1	8.0	7.9	0	0	19.2	7.0	7.7	0	0
2.0 mg/l	19.9	9.8	8.2	19.0	8.0	7.9	0	0	19.1	7.2	7.7	0	0
4.0 mg/l	19.9	9.9	8.2	19.0	7.9	7.9	0	0	19.0	7.0	7.7	0	0
8.0 mg/l	19.9	9.9	8.2	19.0	6.7	7.7	10	10	—	—	—	—	—

	RENEWAL			72 Hr					96 Hr				
Date/Time:	7-3-08 1520								7-4-08 1200				
Analyst:													
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	19.5	8.7	8.1	19.2	6.6	7.8	0	0	19.1	6.9	7.7	0	0
1.0 mg/l	19.5	8.8	8.1	19.3	7.0	7.8	0	0	19.0	6.3	7.7	0	0
2.0 mg/l	19.5	8.8	8.1	19.2	7.2	7.8	0	0	19.0	6.3	7.7	0	0
4.0 mg/l	19.5	8.8	8.1	19.2	7.0	7.7	0	0	19.1	6.8	7.7	0	0
8.0 mg/l	—	—	—	—	—	—	—	—	—	—	—	—	—

Comments: Control: Alkalinity: 68 mg/l; Hardness: 96 mg/l; Conductivity: 340 umho.
SDS: Alkalinity: 67 mg/l; Hardness: 96 mg/l; Conductivity: 335 umho.

Concentration-response relationship acceptable? (see attached computer analysis):
(Yes) (response curve normal)
No (dose interrupted indicated or non-normal)

Acute Fish Test-96 Hr Survival

Start Date:	7/1/2008 13:00	Test ID:	RT-080701f	Sample ID:	REF-Ref Toxicant
End Date:	7/5/2008 12:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	7/1/2008	Protocol:	ACUTE-EPA-821-R-02-012	Test Species:	PP-Pimephales promelas
Comments:					

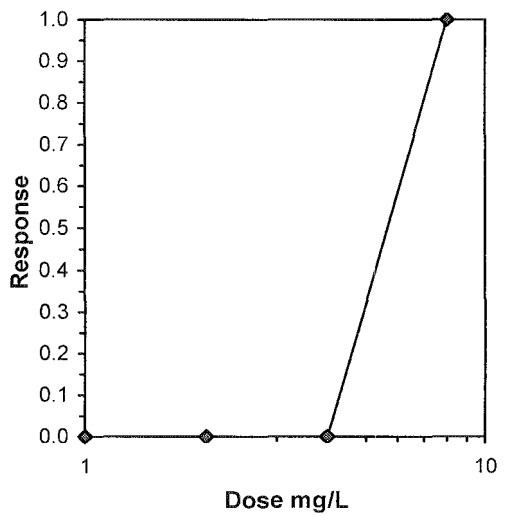
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	1.0000
8	0.0000	0.0000

			Transform: Arcsin Square Root					Number	Total
Conc-mg/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Resp	Number
D-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
1	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
2	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
4	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
8	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

Graphical Method

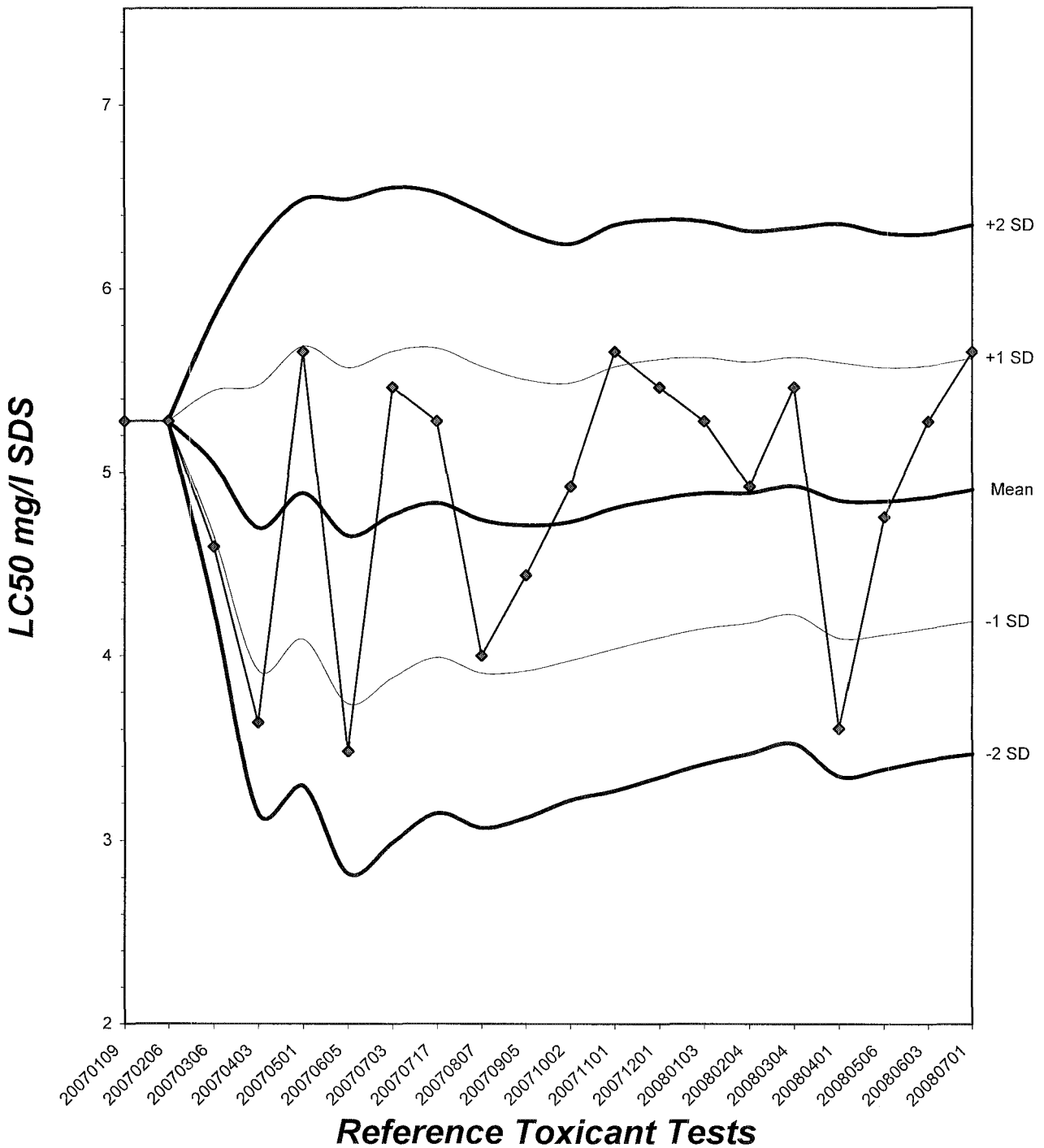
Trim Level	EC50
0.0%	5.6569
	5.6569



Reviewed by:

Fathead Minnow Acute Laboratory Control Chart

CV% = 14.6



TEST ORGANISM LOG

Aquatic Testing Laboratories

FATHEAD MINNOW - LARVAL
(Pimephales promelas)

QA/QC BATCH NO.: RT-080701

SOURCE: In-Lab Culture

DATE HATCHED: 6-17-08

APPROXIMATE QUANTITY: 40

GENERAL APPEARANCE: Good

 # MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 7/1/08

AVERAGE FISH WEIGHT: 0.00541 **gm**

LOADING LIMITS: 0.65 gm/liter @ 20°C, 0.40 gm/liter @ 25°C

Approximately 1000 fish per 10 liters limit if held overnight for acclimation without filtration @ 20°C for fish with a mean weight of 0.006 gm.

Approximately 650 fish per 10 liters limit if held overnight for acclimation without filtration @ 25°C for fish with a mean weight of 0.006 gm.

200 ml test solution volume = 0.013 gm mean fish weight limit @ 20°C; 0.008 @ 25°C
250 ml test solution volume = 0.016 gm mean fish weight limit @ 20°C; 0.010 @ 25°C

ACCLIMATION WATER QUALITY:

Temp.: 19.8 **°C** **pH:** 8.2 **Ammonia:** <0.2 **mg/l NH_3-N**

DO: 9.8 **mg/l** **Alkalinity:** 68 **mg/l** **Hardness:** 96 **mg/l**

READINGS RECORDED BY: _____ **DATE:** 7-2-08

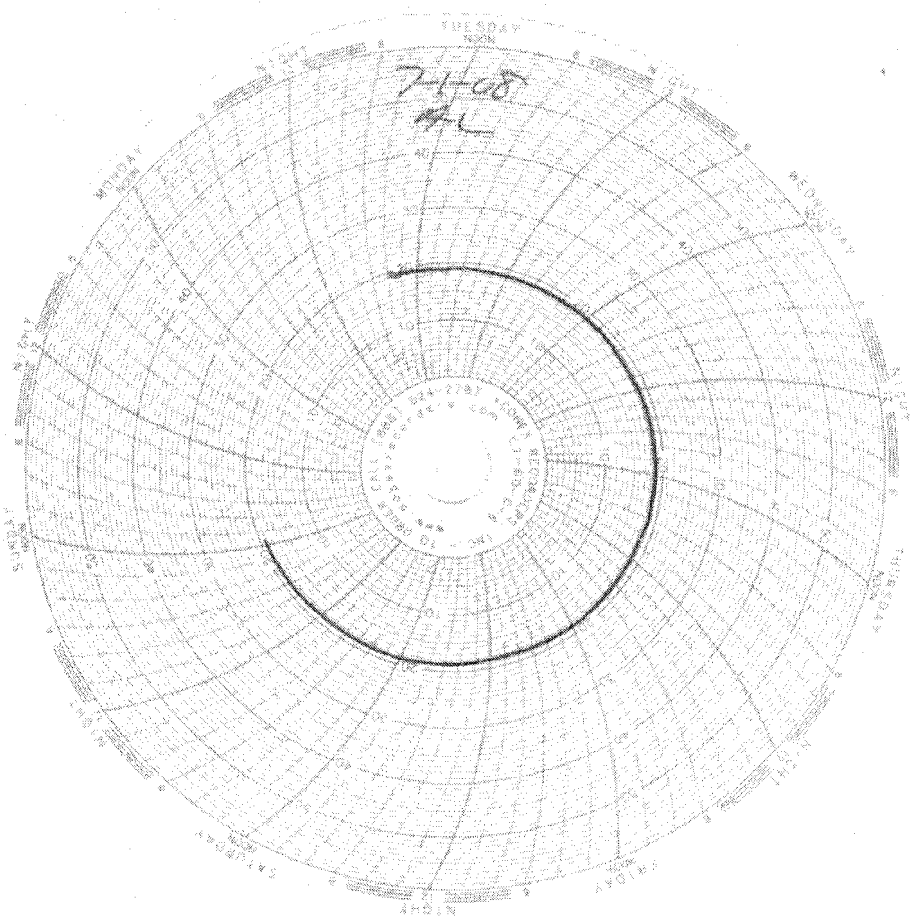
Aquatic
Testing
Laboratories

Laboratory Temperature Chart

QA/QC Batch No: RT-080701

Date Tested: 0701/08 to 07/05/08

Acceptable Range: 20+/- 1°C



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

August 18, 2008

TestAmerica Project Number: G8G080252
PO/Contract: IRG0175

Patty Mata
TestAmerica Analytical Testing
17461 Derian Ave., Ste 100
Irvine, CA 92614-5817

Dear Ms. Mata,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on July 8, 2008. These samples are associated with your IRG0175 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4442.

Sincerely,

Karen Sellers

Karen M. Sellers
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G8G080252

Case Narrative

TestAmerica West Sacramento Project Number G8G080252

There are no anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0616	Oregon*	CA 200005
Arkansas	04-067-0	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014002
Colorado	NA	Texas	TX 270-2004A
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C087
Hawaii	NA	West Virginia	9930C, 334
Kansas*	E10375	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613

*NELAP accredited. A more detailed parameter list is available upon request. Updated 9/21/07

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G8G080252

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
KQ7EW	1	IRG0175-01	7/2/2008 02:10 PM	7/8/2008 09:30 AM
KQ7E0	2	IRG0175-02	7/2/2008 02:20 PM	7/8/2008 09:30 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SUBCONTRACT ORDER

TestAmerica Irvine

IRG0175

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata
Client: BP Carson

RECEIVING LABORATORY:

TestAmerica West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone :(916) 373-5600
Fax: (916) 372-1059
Project Location: California
Receipt Temperature: 3 °C Ice: (Y) / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: IRG0175-01	**Water**		Sampled: **07/02/08 14:10**			
8290-Diox-TCDD only	mg/l	07/17/08	07/09/08 14:10	$330.00	0%	Sub TA-West Sac. TCDD only
Containers Supplied:						
1 L Amber (Q)						
Sample ID: IRG0175-02	**Water**		Sampled: **07/02/08 14:20**			
8290-Diox-TCDD only	mg/l	07/17/08	07/09/08 14:20	$330.00	0%	Sub TA-West Sac. TCDD only
Containers Supplied:						
1 L Amber (S)						

Released By	7-7-08/17:20 Date/Time	Received By	7/8/08 1245 Date/Time
Released By	Date/Time	Received By	Date/Time

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TAL Irvine PM KS LOG # 52912

LOT# (QUANTIMS ID) G8G080252 QUOTE# 74133 LOCATION W4A

	Initials	Date
DATE RECEIVED 7/8/08 TIME RECEIVED 0930	YV	7/8/08

DELIVERED BY
- ☑ FEDEX
- ☐ CA OVERNIGHT
- ☐ CLIENT
- ☐ AIRBORNE
- ☐ GOLDENSTATE
- ☐ DHL
- ☐ UPS
- ☐ BAX GLOBAL
- ☐ GO-GETTERS
- ☐ TAL COURIER
- ☐ VALLEY LOGISTICS
- ☐ MORGAN HILL COURIER
- ☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A

CUSTODY SEAL #(S) _____

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR 4 ☐ 5 ☑ ☐ OTHER _____

COC #(S) NO

TEMPERATURE BLANK Observed: _____ Corrected: _____

SAMPLE TEMPERATURE

Observed: 3 3 3 Average: 3 Corrected Average: 3 YV 7/8/08

COLLECTOR'S NAME: ☐ Verified from COC ☑ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
- WETCHEM ☑ N/A
- VOA-ENCORES ☑ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes: _____

*1 Acceptable temperature range for State of Wisconsin samples is≤4°C.

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE.

TestAmerica West Sacramento

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G8G080252

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB	1	1																		
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

LEAVE NO SPACES BLANK. USE "NA" IF NOT APPLICABLE.

WATER, 8290, 2,3,7,8-TCDD

TestAmerica Irvine

Client Sample ID: IRG0175-01

Trace Level Organic Compounds

Lot-Sample #...: G8G080252-001 **Work Order #...:** KQ7EW1AA **Matrix.....:** WATER
Date Sampled...: 07/02/08 **Date Received..:** 07/08/08
Prep Date.....: 07/14/08 **Analysis Date..:** 07/23/08
Prep Batch #...: 8196437
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.48	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	(40 - 135)

TestAmerica Irvine

Client Sample ID: IRG0175-02

Trace Level Organic Compounds

Lot-Sample #...: G8G080252-002 **Work Order #...:** KQ7E01AA **Matrix.....:** WATER
Date Sampled...: 07/02/08 **Date Received..:** 07/08/08
Prep Date.....: 07/14/08 **Analysis Date..:** 07/16/08
Prep Batch #...: 8196437
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.2	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(40 - 135)

QC DATA ASSOCIATION SUMMARY

G8G080252

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8290		8196437	
002	WATER	SW846 8290		8196437	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G080252 **Work Order #...:** KRHHF1AA **Matrix.....:** WATER
MB Lot-Sample #: G8G140000-437

Prep Date.....: 07/14/08
Analysis Date..: 07/16/08 **Prep Batch #...:** 8196437
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	4.9	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G080252 **Work Order #...:** KRHHF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G8G140000-437
Prep Date.....: 07/14/08 **Analysis Date..:** 07/16/08
Prep Batch #...: 8196437
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	**121**	**(77 - 127)**	**SW846 8290**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G080252 **Work Order #...:** KRHHF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G8G140000-437
Prep Date.....: 07/14/08 **Analysis Date..:** 07/16/08
Prep Batch #...: 8196437
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	**200**	**242**	**pg/L**	**121**	**SW846 8290**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters