



Alpha

Alpha Analytical Laboratories Inc.

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Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

17 January 2017

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- 950cc Widemouth Amber Packer

Work Order: 16L2786

Enclosed are the results of analyses for samples received by the laboratory on 12/29/16 20:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Chelsea L. Sandelin
Project Manager



Alpha

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T6341CUFS - 01	16L2786-01	Water	12/29/16 17:00	12/29/16 20:40
T6341CUFS - 02	16L2786-02	Water	12/29/16 17:00	12/29/16 20:40
T6341CUFS - 03	16L2786-03	Water	12/29/16 17:00	12/29/16 20:40
T6341CUFS - 04	16L2786-04	Water	12/29/16 17:00	12/29/16 20:40
T6341CUFS - 05	16L2786-05	Water	12/29/16 17:00	12/29/16 20:40



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organochlorine Pesticides and PCBs by EPA Method 8081/8082

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
T6341CUFS - 01 (16L2786-01) Water Sampled: 12/29/16 17:00 Received: 12/29/16 20:40												
Aldrin	ND	0.0020	0.0050		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
alpha-BHC	ND	0.0040	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
beta-BHC	ND	0.0020	0.0050		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
delta-BHC	ND	0.0020	0.0050		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
gamma-BHC (Lindane)	ND	0.0040	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Chlordane (tech)	ND	0.040	0.050		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
4,4'-DDD	ND	0.020	0.020		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
4,4'-DDE	ND	0.0040	0.020		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
4,4'-DDT	ND	0.0030	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Dieldrin	ND	0.0050	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Endosulfan I	ND	0.0040	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Endosulfan II	ND	0.0020	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Endosulfan sulfate	ND	0.020	0.050		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Endrin	ND	0.0020	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Endrin aldehyde	ND	0.0020	0.040		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Heptachlor	ND	0.0030	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Heptachlor epoxide	ND	0.0090	0.010		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Methoxychlor	ND	0.0060	0.50		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
Toxaphene	ND	0.20	0.50		ug/L	1	AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	U
PCB-1016	ND	0.080	0.50		ug/L	1	AA73259	01/05/17 08:24	01/09/17 21:40	EPA 8081A/8082	MCB	U
PCB-1221	ND	0.20	0.50		ug/L	1	AA73259	01/05/17 08:24	01/09/17 21:40	EPA 8081A/8082	MCB	U
PCB-1232	ND	0.10	0.50		ug/L	1	AA73259	01/05/17 08:24	01/09/17 21:40	EPA 8081A/8082	MCB	U
PCB-1242	ND	0.040	0.50		ug/L	1	AA73259	01/05/17 08:24	01/09/17 21:40	EPA 8081A/8082	MCB	U
PCB-1248	ND	0.060	0.50		ug/L	1	AA73259	01/05/17 08:24	01/09/17 21:40	EPA 8081A/8082	MCB	U
PCB-1254	ND	0.040	0.50		ug/L	1	AA73259	01/05/17 08:24	01/09/17 21:40	EPA 8081A/8082	MCB	U
PCB-1260	ND	0.040	0.50		ug/L	1	AA73259	01/05/17 08:24	01/09/17 21:40	EPA 8081A/8082	MCB	U
Surrogate: Dibutylchlorodate		86.2 %	63-124				AA73259	01/05/17 08:24	01/11/17 21:04	EPA 8081A/8082	MCB	



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Chlorinated Herbicides by EPA Method 8151A

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
T6341CUFS - 03 (16L2786-03) Water Sampled: 12/29/16 17:00 Received: 12/29/16 20:40												
2,4-D	ND	0.80	1.0		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
2,4-DB	ND	4.0	4.0		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
2,4,5-T	ND	0.40	0.50		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
2,4,5-TP (Silvex)	ND	0.50	0.50		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
Dalapon	ND	6.0	6.0		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
Dicamba	ND	0.40	0.40		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
Dinoseb	ND	0.80	1.0		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
MCPA	ND	200	200		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
MCPP	ND	100	300		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
Dichlorprop	ND	1.0	1.0		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
Pentachlorophenol	ND	0.20	0.20		ug/L	1	AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	U
Surrogate: DCAA		102 %	62-124				AA73204	01/04/17 09:26	01/13/17 00:08	EPA 8151A	MCB	



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organophosphorus Compounds by EPA Method 8141A

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
T6341CUFS - 02 (16L2786-02) Water Sampled: 12/29/16 17:00 Received: 12/29/16 20:40												
Azinphos ethyl	ND	0.30	2.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Azinphos methyl	ND	0.40	2.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Bolstar	ND	0.30	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Chlorpyrifos	ND	0.30	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Coumaphos	ND	0.30	2.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Demeton-o	ND	0.20	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Demeton-s	ND	0.30	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Diazinon	ND	0.30	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Dichlorvos	ND	0.40	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Dimethoate	ND	0.30	2.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Disulfoton	ND	0.30	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
EPN	ND	0.50	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Ethion	ND	0.30	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Ethoprop (Ethoprophos)	ND	0.40	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Fensulfothion	ND	0.30	2.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Fenthion	ND	0.50	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Malathion	ND	0.30	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Mevinphos	ND	0.30	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Parathion	ND	0.40	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Parathion-methyl	ND	0.40	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Phorate	ND	0.40	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Ronnel	ND	0.30	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Stirofos	ND	0.30	0.50		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Thionazin	ND	0.30	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Tokuthion (Prothiofos)	ND	0.40	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Trichloronate	ND	0.40	1.0		ug/L	1	AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	U
Surrogate: Tributyl phosphate		55.4 %	37-115				AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	
Surrogate: Triphenyl phosphate		63.8 %	44-145				AA73249	01/05/17 07:29	01/11/17 05:58	EPA 8141A	MCB	

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
T6341CUFS - 04 (16L2786-04) Water Sampled: 12/29/16 17:00 Received: 12/29/16 20:40												
												R-02
Acenaphthene	ND	0.74	1.3		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Acenaphthylene	ND	0.62	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Anthracene	ND	0.51	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Benzidine	ND	4.4	6.5		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Benzo (a) anthracene	ND	0.51	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Benzo (a) pyrene	ND	0.65	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Benzo (b) fluoranthene	ND	0.83	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Benzo (g,h,i) perylene	ND	1.2	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Benzo (k) fluoranthene	ND	0.44	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Bis(2-chloroethoxy)methane	ND	1.1	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Bis(2-chloroethyl)ether	ND	0.39	0.65		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Bis(2-chloroisopropyl)ether	ND	0.53	0.65		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Bis(2-ethylhexyl)phthalate	ND	1.1	6.5		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
4-Bromophenyl phenyl ether	ND	0.56	5.2		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Butyl benzyl phthalate	ND	0.83	6.5		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
4-Chloro-3-methylphenol	ND	0.75	1.3		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
4-Chloroaniline	ND	8.1	18		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
2-Chloronaphthalene	ND	0.74	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
2-Chlorophenol	ND	0.86	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
4-Chlorophenyl phenyl ether	ND	1.2	5.2		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Chrysene	ND	0.99	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Di-n-butyl phthalate	ND	1.2	13		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Di-n-octyl phthalate	ND	0.84	13		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Dibenz (a,h) anthracene	ND	1.1	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Dibenzofuran	ND	1.1	5.2		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
1,2-Dichlorobenzene	ND	0.79	1.3		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
1,3-Dichlorobenzene	ND	0.81	1.3		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
1,4-Dichlorobenzene	ND	0.79	1.3		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
3,3'-Dichlorobenzidine	ND	2.6	6.5		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
2,4-Dichlorophenol	ND	0.86	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Diethyl phthalate	ND	1.1	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
Dimethyl phthalate	ND	0.88	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
2,4-Dimethylphenol	ND	1.6	2.6		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U
4,6-Dinitro-2-methylphenol	ND	0.98	5.2		ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U

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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
T6341CUFS - 04 (16L2786-04) Water												
Sampled: 12/29/16 17:00											Received: 12/29/16 20:40	
												R-02
2,4-Dinitrophenol	ND	1.7	6.5	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2,4-Dinitrotoluene	ND	0.88	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2,6-Dinitrotoluene	ND	0.70	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Fluoranthene	ND	0.99	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Fluorene	ND	1.1	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Hexachlorobenzene	ND	1.2	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Hexachlorobutadiene	ND	1.1	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Hexachlorocyclopentadiene	ND	0.58	5.2	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Hexachloroethane	ND	0.75	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Indeno (1,2,3-cd) pyrene	ND	0.82	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Isophorone	ND	1.1	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2-Methylnaphthalene	ND	1.3	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2-Methylphenol (o-cresol)	ND	0.83	6.5	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
3 & 4-Methylphenol (m,p-cresol)	ND	0.78	6.5	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
N-Nitrosodi-n-propylamine	ND	1.1	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
N-Nitrosodimethylamine	ND	1.4	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
N-Nitrosodiphenylamine	ND	1.2	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Naphthalene	ND	0.86	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2-Nitroaniline	ND	4.3	26	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
3-Nitroaniline	ND	5.6	65	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
4-Nitroaniline	ND	14	26	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2-Nitrophenol	ND	1.2	13	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
4-Nitrophenol	ND	1.3	6.5	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Nitrobenzene	ND	0.96	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Pentachlorophenol	ND	1.8	6.5	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Phenanthrene	ND	0.84	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Phenol	ND	0.60	1.3	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Pyrene	ND	0.58	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
1,2,4-Trichlorobenzene	ND	0.77	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2,4,5-Trichlorophenol	ND	0.75	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
2,4,6-Trichlorophenol	ND	0.96	2.6	ug/L	1.3	AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	U	
Surrogate: 2-Fluorobiphenyl		75.4 %	42-115			AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH		
Surrogate: 2-Fluorophenol		53.8 %	21-87			AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH		
Surrogate: Nitrobenzene-d5		74.8 %	50-110			AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH		

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							
T6341CUFS - 04 (16L2786-04) Water Sampled: 12/29/16 17:00 Received: 12/29/16 20:40											
<i>Surrogate: p-Terphenyl-d14</i>	84.8 %		61-134			AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	
<i>Surrogate: Phenol-d6</i>	38.1 %		20-52			AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	
<i>Surrogate: 2,4,6-Tribromophenol</i>	74.9 %		54-135			AA73117	01/03/17 07:11	01/05/17 16:05	EPA 8270C/625	NBH	



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C SIM

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
T6341CUFS - 05 (16L2786-05) Water Sampled: 12/29/16 17:00 Received: 12/29/16 20:40												
												R-02
Acenaphthylene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Anthracene	ND	0.12	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Benzo (a) anthracene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Benzo (a) pyrene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Benzo (b) fluoranthene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Benzo (g,h,i) perylene	ND	0.13	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Benzo (k) fluoranthene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Chrysene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Dibenz (a,h) anthracene	ND	0.13	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Fluorene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Indeno (1,2,3-cd) pyrene	ND	0.039	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Phenanthrene	ND	0.13	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Pyrene	ND	0.26	0.26		ug/L	1.3	AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	U
Surrogate: 2-Fluorobiphenyl		122 %	42-125				AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	
Surrogate: Nitrobenzene-d5		53.3 %	50-110				AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	
Surrogate: p-Terphenyl-d14		87.7 %	61-134				AA73117	01/03/17 07:11	01/06/17 21:24	EPA 8270SIM	NBH	



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organochlorine Pesticides and PCBs by EPA Method 8081/8082 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73259 - SVOAs in Water GC

Blank (AA73259-BLK1)

Prepared: 01/05/17 Analyzed: 01/11/17

Aldrin	ND	0.0020	0.0050	ug/L							U
alpha-BHC	ND	0.0040	0.010	ug/L							U
beta-BHC	ND	0.0020	0.0050	ug/L							U
delta-BHC	ND	0.0020	0.0050	ug/L							U
gamma-BHC (Lindane)	ND	0.0040	0.010	ug/L							U
Chlordane (tech)	ND	0.040	0.050	ug/L							U
4,4'-DDE	ND	0.0040	0.020	ug/L							U
4,4'-DDD	ND	0.020	0.020	ug/L							U
4,4'-DDT	ND	0.0030	0.010	ug/L							U
Dieldrin	ND	0.0050	0.010	ug/L							U
Endosulfan I	ND	0.0040	0.010	ug/L							U
Endosulfan II	ND	0.0020	0.010	ug/L							U
Endosulfan sulfate	ND	0.020	0.050	ug/L							U
Endrin	ND	0.0020	0.010	ug/L							U
Endrin aldehyde	ND	0.0020	0.040	ug/L							U
Heptachlor	ND	0.0030	0.010	ug/L							U
Heptachlor epoxide	ND	0.0090	0.010	ug/L							U
Methoxychlor	ND	0.0060	0.50	ug/L							U
Toxaphene	ND	0.20	0.50	ug/L							U
PCB-1016	ND	0.080	0.50	ug/L							U
PCB-1221	ND	0.20	0.50	ug/L							U
PCB-1232	ND	0.10	0.50	ug/L							U
PCB-1242	ND	0.040	0.50	ug/L							U
PCB-1248	ND	0.060	0.50	ug/L							U
PCB-1254	ND	0.040	0.50	ug/L							U
PCB-1260	ND	0.040	0.50	ug/L							U
Surrogate: Dibutylchloroendate	0.792			ug/L	1.06		74.7	63-124			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organochlorine Pesticides and PCBs by EPA Method 8081/8082 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73259 - SVOAs in Water GC

LCS (AA73259-BS1)

Prepared: 01/05/17 Analyzed: 01/11/17

Aldrin	0.213	0.0040	0.010	ug/L	0.240		88.9	43-120			
alpha-BHC	0.227	0.0080	0.020	ug/L	0.240		94.5	71-122			
beta-BHC	0.237	0.0040	0.010	ug/L	0.240		99.0	65-123			
delta-BHC	0.248	0.0040	0.010	ug/L	0.240		103	78-129			
gamma-BHC (Lindane)	0.231	0.0080	0.020	ug/L	0.240		96.2	59-122			
4,4'-DDE	0.242	0.0080	0.040	ug/L	0.240		101	78-132			
4,4'-DDD	0.245	0.040	0.040	ug/L	0.240		102	79-132			
4,4'-DDT	0.253	0.0060	0.020	ug/L	0.240		106	79-143			
Dieldrin	0.249	0.010	0.020	ug/L	0.240		104	80-124			
Endosulfan I	0.253	0.0080	0.020	ug/L	0.240		105	71-126			
Endosulfan II	0.253	0.0040	0.020	ug/L	0.240		106	80-125			
Endosulfan sulfate	0.237	0.040	0.10	ug/L	0.240		98.8	80-126			
Endrin	0.255	0.0040	0.020	ug/L	0.240		106	59-176			
Endrin aldehyde	0.241	0.0040	0.080	ug/L	0.240		101	46-129			
Heptachlor	0.229	0.0060	0.020	ug/L	0.240		95.3	67-120			
Heptachlor epoxide	0.250	0.018	0.020	ug/L	0.240		104	71-127			
Methoxychlor	0.254	0.012	1.0	ug/L	0.240		106	72-163			J
Surrogate: Dibutylchloroendate	0.918			ug/L	1.06		86.6	63-124			

LCS Dup (AA73259-BS1)

Prepared: 01/05/17 Analyzed: 01/11/17

Aldrin	0.242	0.0040	0.010	ug/L	0.240		101	43-120	12.8	20	
alpha-BHC	0.253	0.0080	0.020	ug/L	0.240		105	71-122	11.0	20	
beta-BHC	0.264	0.0040	0.010	ug/L	0.240		110	65-123	10.4	20	
delta-BHC	0.276	0.0040	0.010	ug/L	0.240		115	78-129	10.6	20	
gamma-BHC (Lindane)	0.256	0.0080	0.020	ug/L	0.240		107	59-122	10.3	20	
4,4'-DDE	0.267	0.0080	0.040	ug/L	0.240		111	78-132	9.80	20	
4,4'-DDD	0.271	0.040	0.040	ug/L	0.240		113	79-132	10.2	20	
4,4'-DDT	0.276	0.0060	0.020	ug/L	0.240		115	79-143	8.57	20	
Dieldrin	0.277	0.010	0.020	ug/L	0.240		115	80-124	10.5	20	
Endosulfan I	0.278	0.0080	0.020	ug/L	0.240		116	71-126	9.48	20	
Endosulfan II	0.269	0.0040	0.020	ug/L	0.240		112	80-125	6.00	20	
Endosulfan sulfate	0.256	0.040	0.10	ug/L	0.240		107	80-126	7.80	20	
Endrin	0.277	0.0040	0.020	ug/L	0.240		116	59-176	8.44	20	
Endrin aldehyde	0.267	0.0040	0.080	ug/L	0.240		111	46-129	10.2	30	
Heptachlor	0.259	0.0060	0.020	ug/L	0.240		108	67-120	12.4	20	

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organochlorine Pesticides and PCBs by EPA Method 8081/8082 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73259 - SVOAs in Water GC

LCS Dup (AA73259-BSD1)

Prepared: 01/05/17 Analyzed: 01/11/17

Heptachlor epoxide	0.273	0.018	0.020	ug/L	0.240		114	71-127	8.86	20	
Methoxychlor	0.275	0.012	1.0	ug/L	0.240		115	72-163	8.16	20	J
Surrogate: Dibutylchloroendate	0.964			ug/L	1.06		90.9	63-124			



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73204 - Herbicides

Blank (AA73204-BLK1)

Prepared: 01/04/17 Analyzed: 01/12/17

2,4-D	ND	0.80	1.0	ug/L							U
2,4-DB	ND	4.0	4.0	ug/L							U
2,4,5-T	ND	0.40	0.50	ug/L							U
2,4,5-TP (Silvex)	ND	0.50	0.50	ug/L							U
Dalapon	ND	6.0	6.0	ug/L							U
Dicamba	ND	0.40	0.40	ug/L							U
Dinoseb	ND	0.80	1.0	ug/L							U
MCPA	ND	200	200	ug/L							U
MCPP	ND	100	300	ug/L							U
Dichlorprop	ND	1.0	1.0	ug/L							U
Pentachlorophenol	ND	0.20	0.20	ug/L							U
Surrogate: DCAA	14.2			ug/L	13.6		105	62-124			

LCS (AA73204-BS1)

Prepared: 01/04/17 Analyzed: 01/12/17

2,4-D	1.90	0.80	1.0	ug/L	1.92		98.9	48-124			
2,4-DB	7.92	4.0	4.0	ug/L	7.68		103	54-123			
2,4,5-T	0.899	0.40	0.50	ug/L	0.960		93.7	68-166			
2,4,5-TP (Silvex)	0.871	0.50	0.50	ug/L	0.960		90.7	70-130			
Dalapon	12.1	6.0	6.0	ug/L	12.5		97.0	40-112			
Dicamba	0.850	0.40	0.40	ug/L	0.960		88.5	70-130			
Dinoseb	5.00	0.80	1.0	ug/L	6.42		77.9	20-105			
MCPA	237	200	200	ug/L	250		95.0	55-116			
MCPP	230	100	300	ug/L	258		89.3	47-114			J
Dichlorprop	2.68	1.0	1.0	ug/L	2.88		92.9	54-106			
Pentachlorophenol	0.822	0.20	0.20	ug/L	0.960		85.7	70-130			
Surrogate: DCAA	15.7			ug/L	13.6		115	62-124			

LCS Dup (AA73204-BSD1)

Prepared: 01/04/17 Analyzed: 01/12/17

2,4-D	1.85	0.80	1.0	ug/L	1.92		96.4	48-124	2.57	50	
2,4-DB	7.79	4.0	4.0	ug/L	7.68		101	54-123	1.64	50	
2,4,5-T	0.906	0.40	0.50	ug/L	0.960		94.4	68-166	0.772	50	
2,4,5-TP (Silvex)	0.891	0.50	0.50	ug/L	0.960		92.8	70-130	2.25	50	
Dalapon	12.6	6.0	6.0	ug/L	12.5		101	40-112	4.31	50	
Dicamba	0.871	0.40	0.40	ug/L	0.960		90.8	70-130	2.53	50	
Dinoseb	4.46	0.80	1.0	ug/L	6.42		69.5	20-105	11.4	50	

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73204 - Herbicides

LCS Dup (AA73204-BSD1)

Prepared: 01/04/17 Analyzed: 01/12/17

MCPA	245	200	200	ug/L	250		97.9	55-116	3.02	50	
MCPP	239	100	300	ug/L	258		92.8	47-114	3.84	50	J
Dichlorprop	2.74	1.0	1.0	ug/L	2.88		95.0	54-106	2.24	50	
Pentachlorophenol	0.823	0.20	0.20	ug/L	0.960		85.7	70-130	0.0735	50	
Surrogate: DCAA	15.6			ug/L	13.6		115	62-124			

Matrix Spike (AA73204-MS1)

Source: 16L2735-03

Prepared: 01/04/17 Analyzed: 01/13/17

2,4-D	0.887	0.80	1.0	ug/L	1.92	ND	46.2	48-124			QM-05, J
2,4-DB	4.07	4.0	4.0	ug/L	7.68	ND	53.0	54-123			QM-05
2,4,5-T	0.456	0.40	0.50	ug/L	0.960	ND	47.5	68-166			QM-05, J
2,4,5-TP (Silvex)	0.571	0.50	0.50	ug/L	0.960	ND	59.4	70-130			QM-05
Dalapon	10.2	6.0	6.0	ug/L	12.5	ND	81.9	40-112			
Dicamba	0.793	0.40	0.40	ug/L	0.960	ND	82.6	70-130			
Dinoseb	4.19	0.80	1.0	ug/L	6.42	ND	65.2	20-105			
MCPA	239	200	200	ug/L	250	ND	95.7	55-116			
MCPP	278	100	300	ug/L	258	ND	108	47-114			J
Dichlorprop	1.97	1.0	1.0	ug/L	2.88	ND	68.3	54-106			
Pentachlorophenol	0.583	0.20	0.20	ug/L	0.960	ND	60.8	70-130			QM-05
Surrogate: DCAA	11.2			ug/L	13.6		82.1	62-124			

Matrix Spike Dup (AA73204-MSD1)

Source: 16L2735-03

Prepared: 01/04/17 Analyzed: 01/13/17

2,4-D	1.38	0.80	1.0	ug/L	1.92	ND	71.9	48-124	43.6	50	
2,4-DB	6.45	4.0	4.0	ug/L	7.68	ND	84.0	54-123	45.2	50	
2,4,5-T	0.658	0.40	0.50	ug/L	0.960	ND	68.5	68-166	36.3	50	
2,4,5-TP (Silvex)	0.743	0.50	0.50	ug/L	0.960	ND	77.4	70-130	26.2	50	
Dalapon	11.8	6.0	6.0	ug/L	12.5	ND	94.2	40-112	13.9	50	
Dicamba	0.885	0.40	0.40	ug/L	0.960	ND	92.1	70-130	10.9	50	
Dinoseb	5.82	0.80	1.0	ug/L	6.42	ND	90.7	20-105	32.6	50	
MCPA	233	200	200	ug/L	250	ND	93.0	55-116	2.79	50	
MCPP	220	100	300	ug/L	258	ND	85.4	47-114	23.3	50	J
Dichlorprop	2.20	1.0	1.0	ug/L	2.88	ND	76.3	54-106	11.2	50	
Pentachlorophenol	0.753	0.20	0.20	ug/L	0.960	ND	78.5	70-130	25.4	50	
Surrogate: DCAA	14.1			ug/L	13.6		103	62-124			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organophosphorus Compounds by EPA Method 8141A - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73249 - SVOAs in Water GC

Blank (AA73249-BLK1)

Prepared: 01/05/17 Analyzed: 01/11/17

Azinphos ethyl	ND	0.30	2.0	ug/L							U
Azinphos methyl	ND	0.40	2.0	ug/L							U
Bolstar	ND	0.30	1.0	ug/L							U
Chlorpyrifos	ND	0.30	0.50	ug/L							U
Coumaphos	ND	0.30	2.0	ug/L							U
Demeton-o	ND	0.20	1.0	ug/L							U
Demeton-s	ND	0.30	1.0	ug/L							U
Diazinon	ND	0.30	0.50	ug/L							U
Dichlorvos	ND	0.40	1.0	ug/L							U
Dimethoate	ND	0.30	2.0	ug/L							U
Disulfoton	ND	0.30	0.50	ug/L							U
EPN	ND	0.50	1.0	ug/L							U
Ethion	ND	0.30	0.50	ug/L							U
Ethoprop (Ethoprophos)	ND	0.40	1.0	ug/L							U
Fensulfothion	ND	0.30	2.0	ug/L							U
Fenthion	ND	0.50	0.50	ug/L							U
Malathion	ND	0.30	0.50	ug/L							U
Mevinphos	ND	0.30	1.0	ug/L							U
Parathion	ND	0.40	0.50	ug/L							U
Parathion-methyl	ND	0.40	0.50	ug/L							U
Phorate	ND	0.40	0.50	ug/L							U
Ronnel	ND	0.30	0.50	ug/L							U
Stirofos	ND	0.30	0.50	ug/L							U
Thionazin	ND	0.30	1.0	ug/L							U
Tokuthion (Prothiofos)	ND	0.40	1.0	ug/L							U
Trichloronate	ND	0.40	1.0	ug/L							U
Surrogate: Tributyl phosphate	1.26			ug/L	2.00		62.8	37-115			
Surrogate: Triphenyl phosphate	1.67			ug/L	2.00		83.5	44-145			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organophosphorus Compounds by EPA Method 8141A - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73249 - SVOAs in Water GC

LCS (AA73249-BS1)

Prepared: 01/05/17 Analyzed: 01/11/17

Azinphos ethyl	2.49	0.30	2.0	ug/L	4.00		62.3	44-154			
Azinphos methyl	3.15	0.40	2.0	ug/L	4.00		78.8	42-147			
Bolstar	4.12	0.30	1.0	ug/L	4.00		103	35-144			
Chlorpyrifos	3.99	0.30	0.50	ug/L	4.00		99.9	50-134			
Coumaphos	3.77	0.30	2.0	ug/L	4.00		94.3	47-152			
Demeton-o	0.943	0.20	1.0	ug/L	1.08		87.3	18-128			J
Demeton-s	2.38	0.30	1.0	ug/L	2.80		85.0	43-125			
Diazinon	3.76	0.30	0.50	ug/L	4.00		94.0	50-121			
Dichlorvos	3.71	0.40	1.0	ug/L	4.00		92.7	77-143			
Dimethoate	3.75	0.30	2.0	ug/L	4.00		93.7	37-133			
Disulfoton	3.73	0.30	0.50	ug/L	4.00		93.3	50-119			
EPN	3.99	0.50	1.0	ug/L	4.00		99.7	55-140			
Ethion	3.03	0.30	0.50	ug/L	4.00		75.8	38-137			
Ethoprop (Ethoprophos)	3.94	0.40	1.0	ug/L	4.00		98.5	67-130			
Fensulfothion	3.73	0.30	2.0	ug/L	4.00		93.3	35-157			
Fenthion	3.96	0.50	0.50	ug/L	4.00		99.0	56-125			
Malathion	3.79	0.30	0.50	ug/L	4.00		94.7	39-127			
Mevinphos	4.16	0.30	1.0	ug/L	4.00		104	58-125			
Parathion	4.10	0.40	0.50	ug/L	4.00		102	33-137			
Parathion-methyl	4.14	0.40	0.50	ug/L	4.00		104	52-134			
Phorate	3.48	0.40	0.50	ug/L	4.00		87.0	58-119			
Ronnel	3.78	0.30	0.50	ug/L	4.00		94.4	41-135			
Stirofos	4.58	0.30	0.50	ug/L	4.00		115	34-151			
Thionazin	3.82	0.30	1.0	ug/L	4.00		95.5	60-118			
Tokuthion (Prothiofos)	4.29	0.40	1.0	ug/L	4.00		107	41-136			
Trichloronate	3.96	0.40	1.0	ug/L	4.00		99.1	36-146			
Surrogate: Tributyl phosphate	2.22			ug/L	2.00		111	37-115			
Surrogate: Triphenyl phosphate	2.84			ug/L	2.00		142	44-145			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Organophosphorus Compounds by EPA Method 8141A - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73249 - SVOAs in Water GC

LCS Dup (AA73249-BSD1)

Prepared: 01/05/17 Analyzed: 01/11/17

Azinphos ethyl	3.37	0.30	2.0	ug/L	4.00		84.2	44-154	29.8	30	
Azinphos methyl	3.86	0.40	2.0	ug/L	4.00		96.6	42-147	20.3	30	
Bolstar	3.94	0.30	1.0	ug/L	4.00		98.6	35-144	4.39	30	
Chlorpyrifos	3.72	0.30	0.50	ug/L	4.00		93.0	50-134	7.11	30	
Coumaphos	3.82	0.30	2.0	ug/L	4.00		95.4	47-152	1.15	30	
Demeton-o	0.933	0.20	1.0	ug/L	1.08		86.3	18-128	1.13	30	J
Demeton-s	2.18	0.30	1.0	ug/L	2.80		77.7	43-125	8.86	30	
Diazinon	3.68	0.30	0.50	ug/L	4.00		92.0	50-121	2.15	30	
Dichlorvos	3.78	0.40	1.0	ug/L	4.00		94.4	77-143	1.80	30	
Dimethoate	3.66	0.30	2.0	ug/L	4.00		91.5	37-133	2.42	30	
Disulfoton	3.70	0.30	0.50	ug/L	4.00		92.5	50-119	0.807	30	
EPN	3.56	0.50	1.0	ug/L	4.00		89.0	55-140	11.3	30	
Ethion	2.84	0.30	0.50	ug/L	4.00		71.0	38-137	6.58	30	
Ethoprop (Ethoprophos)	3.77	0.40	1.0	ug/L	4.00		94.1	67-130	4.52	30	
Fensulfothion	3.40	0.30	2.0	ug/L	4.00		85.0	35-157	9.34	30	
Fenthion	3.81	0.50	0.50	ug/L	4.00		95.3	56-125	3.75	30	
Malathion	3.72	0.30	0.50	ug/L	4.00		92.9	39-127	1.92	30	
Mevinphos	4.00	0.30	1.0	ug/L	4.00		100	58-125	3.81	30	
Parathion	3.78	0.40	0.50	ug/L	4.00		94.5	33-137	8.08	30	
Parathion-methyl	3.76	0.40	0.50	ug/L	4.00		93.9	52-134	9.84	30	
Phorate	3.42	0.40	0.50	ug/L	4.00		85.6	58-119	1.60	30	
Ronnel	3.82	0.30	0.50	ug/L	4.00		95.6	41-135	1.25	30	
Stirofos	4.00	0.30	0.50	ug/L	4.00		100	34-151	13.6	30	
Thionazin	3.69	0.30	1.0	ug/L	4.00		92.2	60-118	3.45	30	
Tokuthion (Prothiofos)	3.86	0.40	1.0	ug/L	4.00		96.4	41-136	10.6	30	
Trichloronate	3.74	0.40	1.0	ug/L	4.00		93.5	36-146	5.75	30	
Surrogate: Tributyl phosphate	2.28			ug/L	2.00		114	37-115			
Surrogate: Triphenyl phosphate	2.46			ug/L	2.00		123	44-145			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

Blank (AA73117-BLK1)

Prepared: 01/03/17 Analyzed: 01/05/17

Acenaphthene	ND	0.57	1.0	ug/L							U
Acenaphthylene	ND	0.48	2.0	ug/L							U
Anthracene	ND	0.39	2.0	ug/L							U
Benzidine	ND	3.4	5.0	ug/L							U
Benzo (a) anthracene	ND	0.39	2.0	ug/L							U
Benzo (a) pyrene	ND	0.50	2.0	ug/L							U
Benzo (b) fluoranthene	ND	0.64	2.0	ug/L							U
Benzo (g,h,i) perylene	ND	0.93	2.0	ug/L							U
Benzo (k) fluoranthene	ND	0.34	2.0	ug/L							U
Bis(2-chloroethoxy)methane	ND	0.81	2.0	ug/L							U
Bis(2-chloroethyl)ether	ND	0.30	0.50	ug/L							U
Bis(2-chloroisopropyl)ether	ND	0.41	0.50	ug/L							U
Bis(2-ethylhexyl)phthalate	ND	0.83	5.0	ug/L							U
4-Bromophenyl phenyl ether	ND	0.43	4.0	ug/L							U
Butyl benzyl phthalate	ND	0.64	5.0	ug/L							U
4-Chloro-3-methylphenol	ND	0.58	1.0	ug/L							U
4-Chloroaniline	ND	6.2	14	ug/L							U
2-Chloronaphthalene	ND	0.57	2.0	ug/L							U
2-Chlorophenol	ND	0.66	2.0	ug/L							U
4-Chlorophenyl phenyl ether	ND	0.93	4.0	ug/L							U
Chrysene	ND	0.76	2.0	ug/L							U
Di-n-butyl phthalate	ND	0.91	10	ug/L							U
Di-n-octyl phthalate	ND	0.65	10	ug/L							U
Dibenz (a,h) anthracene	ND	0.83	2.0	ug/L							U
Dibenzofuran	ND	0.86	4.0	ug/L							U
1,2-Dichlorobenzene	ND	0.61	1.0	ug/L							U
1,3-Dichlorobenzene	ND	0.62	1.0	ug/L							U
1,4-Dichlorobenzene	ND	0.61	1.0	ug/L							U
3,3'-Dichlorobenzidine	ND	2.0	5.0	ug/L							U
2,4-Dichlorophenol	ND	0.66	2.0	ug/L							U
Diethyl phthalate	ND	0.86	2.0	ug/L							U
Dimethyl phthalate	ND	0.68	2.0	ug/L							U
2,4-Dimethylphenol	ND	1.2	2.0	ug/L							U
4,6-Dinitro-2-methylphenol	ND	0.75	4.0	ug/L							U

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

Blank (AA73117-BLK1)

Prepared: 01/03/17 Analyzed: 01/05/17

2,4-Dinitrophenol	ND	1.3	5.0	ug/L							U
2,4-Dinitrotoluene	ND	0.68	2.0	ug/L							U
2,6-Dinitrotoluene	ND	0.54	2.0	ug/L							U
Fluoranthene	ND	0.76	1.0	ug/L							U
Fluorene	ND	0.81	2.0	ug/L							U
Hexachlorobenzene	ND	0.89	1.0	ug/L							U
Hexachlorobutadiene	ND	0.84	1.0	ug/L							U
Hexachlorocyclopentadiene	ND	0.45	4.0	ug/L							U
Hexachloroethane	ND	0.58	1.0	ug/L							U
Indeno (1,2,3-cd) pyrene	ND	0.63	2.0	ug/L							U
Isophorone	ND	0.81	1.0	ug/L							U
2-Methylnaphthalene	ND	1.0	2.0	ug/L							U
2-Methylphenol (o-cresol)	ND	0.64	5.0	ug/L							U
3 & 4-Methylphenol (m,p-cresol)	ND	0.60	5.0	ug/L							U
N-Nitrosodi-n-propylamine	ND	0.85	2.0	ug/L							U
N-Nitrosodimethylamine	ND	1.1	2.0	ug/L							U
N-Nitrosodiphenylamine	ND	0.90	1.0	ug/L							U
Naphthalene	ND	0.66	1.0	ug/L							U
2-Nitroaniline	ND	3.3	20	ug/L							U
3-Nitroaniline	ND	4.3	50	ug/L							U
4-Nitroaniline	ND	11	20	ug/L							U
2-Nitrophenol	ND	0.90	10	ug/L							U
4-Nitrophenol	ND	0.99	5.0	ug/L							U
Nitrobenzene	ND	0.74	1.0	ug/L							U
Pentachlorophenol	ND	1.4	5.0	ug/L							U
Phenanthrene	ND	0.65	2.0	ug/L							U
Phenol	ND	0.46	1.0	ug/L							U
Pyrene	ND	0.45	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.59	2.0	ug/L							U
2,4,5-Trichlorophenol	ND	0.58	2.0	ug/L							U
2,4,6-Trichlorophenol	ND	0.74	2.0	ug/L							U
Surrogate: 2-Fluorobiphenyl	30.8			ug/L	40.0		77.0	42-115			
Surrogate: 2-Fluorophenol	17.2			ug/L	40.0		43.0	21-87			
Surrogate: Nitrobenzene-d5	30.0			ug/L	40.0		75.0	50-110			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

Blank (AA73117-BLK1)

Prepared: 01/03/17 Analyzed: 01/05/17

Surrogate: <i>p</i> -Terphenyl-d14	33.2			ug/L	40.0		83.0	61-134			
Surrogate: Phenol-d6	10.7			ug/L	40.0		26.8	20-52			
Surrogate: 2,4,6-Tribromophenol	27.9			ug/L	40.0		69.8	54-135			

LCS (AA73117-BS1)

Prepared: 01/03/17 Analyzed: 01/05/17

Acenaphthene	34	0.57	1.0	ug/L	40.0		85.8	70-110			
Acenaphthylene	36	0.48	2.0	ug/L	40.0		90.6	70-115			
Anthracene	37	0.39	2.0	ug/L	40.0		92.4	70-125			
Benzo (a) anthracene	38	0.39	2.0	ug/L	40.0		95.8	80-122			
Benzo (a) pyrene	35	0.50	2.0	ug/L	40.0		87.1	80-125			
Benzo (b) fluoranthene	35	0.64	2.0	ug/L	40.0		87.0	24-159			
Benzo (g,h,i) perylene	47	0.93	2.0	ug/L	40.0		117	60-150			
Benzo (k) fluoranthene	37	0.34	2.0	ug/L	40.0		91.7	11-162			
Bis(2-chloroethoxy)methane	35	0.81	2.0	ug/L	40.0		86.4	62-106			
Bis(2-chloroethyl)ether	34	0.30	0.50	ug/L	40.0		85.8	40-99			
Bis(2-chloroisopropyl)ether	32	0.41	0.50	ug/L	40.0		81.0	36-110			
Bis(2-ethylhexyl)phthalate	36	0.83	5.0	ug/L	40.0		88.8	55-152			
4-Bromophenyl phenyl ether	37	0.43	4.0	ug/L	40.0		92.8	74-120			
Butyl benzyl phthalate	36	0.64	5.0	ug/L	40.0		90.4	67-152			
4-Chloro-3-methylphenol	34	0.58	1.0	ug/L	40.0		84.4	56-116			
4-Chloroaniline	52	6.2	14	ug/L	60.0		87.5	62-103			
2-Chloronaphthalene	35	0.57	2.0	ug/L	40.0		86.4	60-118			
2-Chlorophenol	32	0.66	2.0	ug/L	40.0		81.2	53-100			
4-Chlorophenyl phenyl ether	35	0.93	4.0	ug/L	40.0		88.0	67-115			
Chrysene	38	0.76	2.0	ug/L	40.0		95.7	60-122			
Di-n-butyl phthalate	34	0.91	10	ug/L	40.0		85.5	73-129			
Di-n-octyl phthalate	36	0.65	10	ug/L	40.0		90.2	71-127			
Dibenz (a,h) anthracene	47	0.83	2.0	ug/L	40.0		118	67-150			
Dibenzofuran	35	0.86	4.0	ug/L	40.0		88.4	68-108			
1,2-Dichlorobenzene	30	0.61	1.0	ug/L	40.0		75.9	40-100			
1,3-Dichlorobenzene	29	0.62	1.0	ug/L	40.0		73.3	40-100			
1,4-Dichlorobenzene	30	0.61	1.0	ug/L	40.0		75.3	40-92			
2,4-Dichlorophenol	36	0.66	2.0	ug/L	40.0		91.1	67-110			
Diethyl phthalate	36	0.86	2.0	ug/L	40.0		90.2	74-119			
Dimethyl phthalate	37	0.68	2.0	ug/L	40.0		93.5	68-121			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

LCS (AA73117-BS1)

Prepared: 01/03/17 Analyzed: 01/05/17

2,4-Dimethylphenol	33	1.2	2.0	ug/L	50.0		66.7	32-119			
4,6-Dinitro-2-methylphenol	38	0.75	4.0	ug/L	40.0		94.3	59-129			
2,4-Dinitrophenol	38	1.3	5.0	ug/L	40.0		94.5	46-149			
2,4-Dinitrotoluene	38	0.68	2.0	ug/L	40.0		94.2	75-120			
2,6-Dinitrotoluene	38	0.54	2.0	ug/L	40.0		94.0	66-120			
Fluoranthene	34	0.76	1.0	ug/L	40.0		86.0	63-122			
Fluorene	36	0.81	2.0	ug/L	40.0		89.6	75-120			
Hexachlorobenzene	36	0.89	1.0	ug/L	40.0		90.8	75-120			
Hexachlorobutadiene	30	0.84	1.0	ug/L	40.0		73.9	46-93			
Hexachlorocyclopentadiene	27	0.45	4.0	ug/L	40.0		68.0	8-83			
Hexachloroethane	28	0.58	1.0	ug/L	40.0		69.9	40-89			
Indeno (1,2,3-cd) pyrene	43	0.63	2.0	ug/L	40.0		106	68-150			
Isophorone	35	0.81	1.0	ug/L	40.0		86.7	39-140			
2-Methylnaphthalene	35	1.0	2.0	ug/L	40.0		87.0	59-100			
2-Methylphenol (o-cresol)	30	0.64	5.0	ug/L	40.0		73.9	50-86			
3 & 4-Methylphenol (m,p-cresol)	27	0.60	5.0	ug/L	40.0		68.1	48-84			
N-Nitrosodi-n-propylamine	34	0.85	2.0	ug/L	40.0		84.7	58-104			
N-Nitrosodimethylamine	23	1.1	2.0	ug/L	40.0		56.5	11-111			
N-Nitrosodiphenylamine	39	0.90	1.0	ug/L	40.0		97.6	60-120			
Naphthalene	34	0.66	1.0	ug/L	40.0		84.4	47-107			
2-Nitroaniline	56	3.3	20	ug/L	60.0		93.7	66-122			
3-Nitroaniline	58	4.3	50	ug/L	60.0		95.9	78-153			
4-Nitroaniline	58	11	20	ug/L	60.0		96.9	20-100			
2-Nitrophenol	37	0.90	10	ug/L	40.0		93.4	44-120			
4-Nitrophenol	15	0.99	5.0	ug/L	40.0		36.4	21-71			
Nitrobenzene	35	0.74	1.0	ug/L	40.0		86.7	38-124			
Pentachlorophenol	29	1.4	5.0	ug/L	40.0		72.4	53-145			
Phenanthrene	37	0.65	2.0	ug/L	40.0		92.1	63-123			
Phenol	15	0.46	1.0	ug/L	40.0		38.7	21-51			
Pyrene	38	0.45	2.0	ug/L	40.0		96.0	70-130			
1,2,4-Trichlorobenzene	31	0.59	2.0	ug/L	40.0		78.4	51-96			
2,4,5-Trichlorophenol	37	0.58	2.0	ug/L	40.0		93.2	65-125			
2,4,6-Trichlorophenol	35	0.74	2.0	ug/L	40.0		86.6	68-116			
Surrogate: 2-Fluorobiphenyl	33.5			ug/L	40.0		83.8	42-115			

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

LCS (AA73117-BS1)

Prepared: 01/03/17 Analyzed: 01/05/17

Surrogate: 2-Fluorophenol	20.5			ug/L	40.0		51.2	21-87			
Surrogate: Nitrobenzene-d5	32.1			ug/L	40.0		80.2	50-110			
Surrogate: p-Terphenyl-d14	33.9			ug/L	40.0		84.8	61-134			
Surrogate: Phenol-d6	13.1			ug/L	40.0		32.7	20-52			
Surrogate: 2,4,6-Tribromophenol	36.0			ug/L	40.0		90.0	54-135			

LCS Dup (AA73117-BSD1)

Prepared: 01/03/17 Analyzed: 01/05/17

Acenaphthene	33	0.57	1.0	ug/L	40.0		83.3	70-110	3.02	25	
Acenaphthylene	35	0.48	2.0	ug/L	40.0		87.5	70-115	3.43	25	
Anthracene	37	0.39	2.0	ug/L	40.0		91.8	70-125	0.706	25	
Benzo (a) anthracene	38	0.39	2.0	ug/L	40.0		94.7	80-122	1.10	25	
Benzo (a) pyrene	34	0.50	2.0	ug/L	40.0		85.0	80-125	2.41	25	
Benzo (b) fluoranthene	35	0.64	2.0	ug/L	40.0		86.8	24-159	0.201	25	
Benzo (g,h,i) perylene	46	0.93	2.0	ug/L	40.0		115	60-150	1.19	25	
Benzo (k) fluoranthene	33	0.34	2.0	ug/L	40.0		83.4	11-162	9.57	25	
Bis(2-chloroethoxy)methane	34	0.81	2.0	ug/L	40.0		86.1	62-106	0.319	25	
Bis(2-chloroethyl)ether	35	0.30	0.50	ug/L	40.0		87.8	40-99	2.25	25	
Bis(2-chloroisopropyl)ether	33	0.41	0.50	ug/L	40.0		82.7	36-110	2.08	25	
Bis(2-ethylhexyl)phthalate	36	0.83	5.0	ug/L	40.0		89.6	55-152	0.813	25	
4-Bromophenyl phenyl ether	36	0.43	4.0	ug/L	40.0		90.4	74-120	2.65	25	
Butyl benzyl phthalate	36	0.64	5.0	ug/L	40.0		91.0	67-152	0.717	25	
4-Chloro-3-methylphenol	34	0.58	1.0	ug/L	40.0		84.8	56-116	0.473	25	
4-Chloroaniline	50	6.2	14	ug/L	60.0		82.9	62-103	5.40	25	
2-Chloronaphthalene	34	0.57	2.0	ug/L	40.0		84.1	60-118	2.79	25	
2-Chlorophenol	34	0.66	2.0	ug/L	40.0		84.4	53-100	3.89	25	
4-Chlorophenyl phenyl ether	34	0.93	4.0	ug/L	40.0		85.2	67-115	3.26	25	
Chrysene	38	0.76	2.0	ug/L	40.0		94.0	60-122	1.79	25	
Di-n-butyl phthalate	35	0.91	10	ug/L	40.0		86.7	73-129	1.36	25	
Di-n-octyl phthalate	36	0.65	10	ug/L	40.0		90.1	71-127	0.111	25	
Dibenz (a,h) anthracene	47	0.83	2.0	ug/L	40.0		117	67-150	0.959	25	
Dibenzofuran	34	0.86	4.0	ug/L	40.0		85.4	68-108	3.51	25	
1,2-Dichlorobenzene	31	0.61	1.0	ug/L	40.0		77.1	40-100	1.50	25	
1,3-Dichlorobenzene	30	0.62	1.0	ug/L	40.0		74.9	40-100	2.19	25	
1,4-Dichlorobenzene	31	0.61	1.0	ug/L	40.0		76.8	40-92	2.04	25	
2,4-Dichlorophenol	36	0.66	2.0	ug/L	40.0		90.9	67-110	0.192	25	

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

LCS Dup (AA73117-BSD1)

Prepared: 01/03/17 Analyzed: 01/05/17

Diethyl phthalate	36	0.86	2.0	ug/L	40.0		89.4	74-119	0.946	25	
Dimethyl phthalate	37	0.68	2.0	ug/L	40.0		91.7	68-121	1.92	25	
2,4-Dimethylphenol	35	1.2	2.0	ug/L	50.0		70.5	32-119	5.57	25	
4,6-Dinitro-2-methylphenol	37	0.75	4.0	ug/L	40.0		93.7	59-129	0.665	25	
2,4-Dinitrophenol	38	1.3	5.0	ug/L	40.0		94.2	46-149	0.318	25	
2,4-Dinitrotoluene	37	0.68	2.0	ug/L	40.0		93.3	75-120	0.987	25	
2,6-Dinitrotoluene	36	0.54	2.0	ug/L	40.0		91.2	66-120	2.97	25	
Fluoranthene	34	0.76	1.0	ug/L	40.0		84.6	63-122	1.64	25	
Fluorene	35	0.81	2.0	ug/L	40.0		86.7	75-120	3.29	25	
Hexachlorobenzene	36	0.89	1.0	ug/L	40.0		88.8	75-120	2.20	25	
Hexachlorobutadiene	29	0.84	1.0	ug/L	40.0		72.0	46-93	2.60	25	
Hexachlorocyclopentadiene	24	0.45	4.0	ug/L	40.0		59.8	8-83	12.8	25	
Hexachloroethane	29	0.58	1.0	ug/L	40.0		71.6	40-89	2.37	25	
Indeno (1,2,3-cd) pyrene	42	0.63	2.0	ug/L	40.0		105	68-150	1.09	25	
Isophorone	35	0.81	1.0	ug/L	40.0		86.6	39-140	0.144	25	
2-Methylnaphthalene	34	1.0	2.0	ug/L	40.0		85.4	59-100	1.80	25	
2-Methylphenol (o-cresol)	30	0.64	5.0	ug/L	40.0		75.6	50-86	2.31	25	
3 & 4-Methylphenol (m,p-cresol)	28	0.60	5.0	ug/L	40.0		69.8	48-84	2.36	25	
N-Nitrosodi-n-propylamine	34	0.85	2.0	ug/L	40.0		84.2	58-104	0.592	25	
N-Nitrosodimethylamine	24	1.1	2.0	ug/L	40.0		60.5	11-111	6.84	25	
N-Nitrosodiphenylamine	39	0.90	1.0	ug/L	40.0		96.6	60-120	1.06	25	
Naphthalene	33	0.66	1.0	ug/L	40.0		83.2	47-107	1.43	25	
2-Nitroaniline	56	3.3	20	ug/L	60.0		94.0	66-122	0.320	25	
3-Nitroaniline	56	4.3	50	ug/L	60.0		93.4	78-153	2.64	25	
4-Nitroaniline	58	11	20	ug/L	60.0		97.2	20-100	0.275	25	
2-Nitrophenol	37	0.90	10	ug/L	40.0		92.4	44-120	1.02	25	
4-Nitrophenol	15	0.99	5.0	ug/L	40.0		37.4	21-71	2.77	25	
Nitrobenzene	35	0.74	1.0	ug/L	40.0		87.6	38-124	1.00	25	
Pentachlorophenol	29	1.4	5.0	ug/L	40.0		73.6	53-145	1.64	25	
Phenanthrene	36	0.65	2.0	ug/L	40.0		90.2	63-123	2.11	25	
Phenol	16	0.46	1.0	ug/L	40.0		39.9	21-51	3.05	25	
Pyrene	38	0.45	2.0	ug/L	40.0		95.2	70-130	0.811	25	
1,2,4-Trichlorobenzene	31	0.59	2.0	ug/L	40.0		78.3	51-96	0.128	25	
2,4,5-Trichlorophenol	36	0.58	2.0	ug/L	40.0		89.4	65-125	4.05	25	
2,4,6-Trichlorophenol	35	0.74	2.0	ug/L	40.0		87.0	68-116	0.432	25	

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6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

LCS Dup (AA73117-BSD1)

Prepared: 01/03/17 Analyzed: 01/05/17

Surrogate: 2-Fluorobiphenyl	32.7			ug/L	40.0		81.6 42-115		
Surrogate: 2-Fluorophenol	22.2			ug/L	40.0		55.4 21-87		
Surrogate: Nitrobenzene-d5	33.0			ug/L	40.0		82.5 50-110		
Surrogate: p-Terphenyl-d14	34.4			ug/L	40.0		86.0 61-134		
Surrogate: Phenol-d6	13.8			ug/L	40.0		34.6 20-52		
Surrogate: 2,4,6-Tribromophenol	36.3			ug/L	40.0		90.6 54-135		



Alpha Analytical Laboratories Inc.

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 950cc Widemouth Amber Packer
Project Number: Lot Number T6341CUFS

Reported:
01/17/17 16:28

Semivolatile Organic Compounds by EPA Method 8270C SIM - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AA73117 - SVOAs in Water GCMS

Blank (AA73117-BLK2)

Prepared: 01/03/17 Analyzed: 01/06/17

Acenaphthylene	ND	0.20	0.20	ug/L							U
Anthracene	ND	0.090	0.20	ug/L							U
Benzo (a) anthracene	ND	0.20	0.20	ug/L							U
Benzo (a) pyrene	ND	0.20	0.20	ug/L							U
Benzo (b) fluoranthene	ND	0.20	0.20	ug/L							U
Benzo (g,h,i) perylene	ND	0.10	0.20	ug/L							U
Benzo (k) fluoranthene	ND	0.20	0.20	ug/L							U
Chrysene	ND	0.20	0.20	ug/L							U
Dibenz (a,h) anthracene	ND	0.10	0.20	ug/L							U
Fluorene	ND	0.20	0.20	ug/L							U
Indeno (1,2,3-cd) pyrene	ND	0.030	0.20	ug/L							U
Phenanthrene	ND	0.10	0.20	ug/L							U
Pyrene	ND	0.20	0.20	ug/L							U
Surrogate: 2-Fluorobiphenyl	43.3			ug/L	40.0		108	42-125			
Surrogate: Nitrobenzene-d5	21.6			ug/L	40.0		53.9	50-110			
Surrogate: p-Terphenyl-d14	34.4			ug/L	40.0		86.0	61-134			

LCS (AA73117-BS2)

Prepared: 01/03/17 Analyzed: 01/06/17

Benzo (a) anthracene	41.0	0.20	0.20	ug/L	40.0		102	52-105			
Pyrene	36.5	0.20	0.20	ug/L	40.0		91.3	59-119			
Surrogate: 2-Fluorobiphenyl	27.7			ug/L	40.0		69.2	42-125			
Surrogate: Nitrobenzene-d5	31.5			ug/L	40.0		78.8	50-110			
Surrogate: p-Terphenyl-d14	34.3			ug/L	40.0		85.8	61-134			

LCS Dup (AA73117-BSD2)

Prepared: 01/03/17 Analyzed: 01/06/17

Benzo (a) anthracene	40.1	0.20	0.20	ug/L	40.0		100	52-105	2.22	25	
Pyrene	35.0	0.20	0.20	ug/L	40.0		87.5	59-119	4.28	25	
Surrogate: 2-Fluorobiphenyl	28.6			ug/L	40.0		71.5	42-125			
Surrogate: Nitrobenzene-d5	29.5			ug/L	40.0		73.8	50-110			
Surrogate: p-Terphenyl-d14	33.6			ug/L	40.0		84.0	61-134			



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01/17/17 16:28

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
R-02	Elevated Reporting Limits due to limited sample amount.
U	Analyte included in analysis, but not detected at or above MDL.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
MDL	Method detection limit
Rec	Recovery
RPD	Relative Percent Difference



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Chain of Custody Report

Reports and Invoices will be delivered by email in .pdf format.

Lab No. 16L2786 Page of

Signature below authorizes work under terms stated on reverse side.

Report to: **Sample Traps LLC**
Company: **Quality Control Manager**
Attn: **Address:**
Phone/Fax: **Email Address:**
admin@sampletraps.com

Invoice to (if different):
Company: **Project ID:**
Attn: **QC- 950cc Widemouth Amber Packer**
Address: **Project No:**
Phone/Fax: **Lot number T6341CUFS**
Email Address: **PO/Reference :**

Samplers Signature:
Rodney Santillan
Print: Rodney Santillan

Sample Identification

Sample ID	Date	Time
T6341CUFS - 01	12/29	1700
T6341CUFS - 02		
T6341CUFS - 03		
T6341CUFS - 04		
T6341CUFS - 05		

Container: Preservative: Matrix:

40ml VOA	Poly	Glass bottle	Glass Jar	HCL	Methanol	Na Bisulfate	Other	None	Water	Container
		x						x	x	
		x						x	x	
		x						x	x	
		x						x	x	

Total Number of Containers

Analyses Requested	8091/82 Sample Traps	8141 Sample Traps	8151 Sample Traps	8270 Sample Traps	8270 PNA SIM Sample Traps
Include j-flag reporting	x	x			
8091/82 Sample Traps					
8141 Sample Traps			x		
8151 Sample Traps				x	
8270 Sample Traps					x
8270 PNA SIM Sample Traps					x

TAT

10 days

RUSH:

5 days

48 hours

Other: days

Sample Notes (lab use only)

Temperature: 30

deg. C

Shipment Method:

Custody Seals: Y / N

Sample Notes or CDPH Source Numbers:

Relinquished by: *Rodney Santillan*

Received by: *[Signature]*

Date: 12/29/11 Time: 1815

Date: 12/29 Time: 2040

CDPH Write On EDT Transmission? Yes No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? Yes No

Global ID: _____

EDF to (Email Address): _____

Travel and Eco Time: _____

Misc. Supplies: _____