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Date:	March 5, 2012
To:	Work Assignment Manager: Jeff Catanzarita, EPA/ERTC
From:	V. Kansal, Analytical Support Leader, SERAS Vinod Kansal
Subject:	Preliminary Results of VOCs in Air Analysis using SERAS SOP# 1814
Project:	Cabo Rojo, WA# 0-130

This document contains the analytical results and report for the following samples:

Chain(s) of Custody #:	0-130-3/1/12-(0006-0008)
Analyses:	TO-15
No. of Samples:	23
Matrix:	Air

This report contains the results of 23 samples received on 03/02/12 for analysis of VOCs in Air by EPA TO-15.

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Table 1.1 Result of the Analysis for VOC(µg/m3) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	Method Blank		0-130-1009		0-130-1010		0-130-1011		0-130-1030	
Sample Location	3/3/2012		S2B-IA2		S2B-IA1		S2B-IA1		S2B-AMB1	
Sublocation										
Analyte	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3
Vinyl Chloride	U	0.178	U	0.178	U	0.178	U	0.178	U	0.178
1,1-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
trans-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
1,1-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
cis-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
1,2-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
Trichloroethene	U	0.375	U	0.375	U	0.375	U	0.375	U	0.375
Tetrachloroethene	U	0.473	U	0.473	U	0.473	U	0.473	U	0.473

Table 1.1 Result of the Analysis for VOC(µg/m3) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1031		0-130-1032	
Sample Location	S2B-AMB2		S2B-AMB3	
Sublocation				
Analyte	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3
Vinyl Chloride	U	0.178	U	0.178
1,1-Dichloroethene	U	0.277	U	0.277
trans-1,2-Dichloroethene	U	0.277	U	0.277
1,1-Dichloroethane	U	0.282	U	0.282
cis-1,2-Dichloroethene	U	0.277	U	0.277
1,2-Dichloroethane	U	0.282	U	0.282
Trichloroethene	U	0.375	U	0.375
Tetrachloroethene	U	0.473	U	0.473

Table 1.1 Result of the Analysis for VOC(µg/m3) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	Method Blank		0-130-1056		0-130-1014		0-130-1015		0-130-1016	
Sample Location	3/3/2012		TRIP BLANK		EQP-IA1		EQP-IA1		EQP-IA3	
Sublocation										
Analyte	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3
Propylene	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120
Dichlorodifluoromethane	U	0.345	U	0.345	1.81	0.345	1.78	0.345	0.979	0.345
Chloromethane	U	0.144	U	0.144	1.52	0.144	1.49	0.144	0.921	0.144
Dichlorotetrafluoroethane	U	0.488	U	0.488	U	0.488	U	0.488	U	0.488
Vinyl Chloride	U	0.178	U	0.178	U	0.178	U	0.178	U	0.178
1,3-Butadiene	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154
Bromomethane	U	0.271	U	0.271	U	0.271	U	0.271	U	0.271
Chloroethane	U	0.184	U	0.184	U	0.184	U	0.184	U	0.184
Acetone	0.653	0.552	1.42	0.552	115	0.552	111	0.552	97.8	0.552
Trichlorofluoromethane	U	0.392	U	0.392	1.24	0.392	1.16	0.392	1.11	0.392
Isopropyl Alcohol	U	0.572	U	0.572	U	0.572	U	0.572	U	0.572
1,1-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
Methylene Chloride	U	0.242	U	0.242	0.831	0.242	0.790	0.242	0.785	0.242
Trichlorotrifluoroethane	U	0.535	U	0.535	0.605	0.535	0.558	0.535	U	0.535
trans-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
1,1-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
MTBE	U	0.252	U	0.252	U	0.252	U	0.252	U	0.252
Vinyl Acetate	U	0.246	U	0.246	U	0.246	U	0.246	U	0.246
2-Butanone	U	0.206	U	0.206	3.41	0.206	3.64	0.206	2.38	0.206
cis-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
Ethyl Acetate	U	0.251	U	0.251	4.70	0.251	4.87	0.251	4.20	0.251
Hexane	U	0.246	U	0.246	2.31	0.246	2.26	0.246	2.22	0.246
Chloroform	U	0.341	U	0.341	6.07	0.341	5.94	0.341	5.84	0.341
Tetrahydrofuran	U	0.206	U	0.206	U	0.206	U	0.206	0.768	0.206
1,2-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
1,1,1-Trichloroethane	U	0.381	U	0.381	U	0.381	U	0.381	U	0.381
Benzene	U	0.223	U	0.223	0.981	0.223	0.938	0.223	0.954	0.223
Carbon Tetrachloride	U	0.439	U	0.439	0.481	0.439	0.459	0.439	U	0.439
Cyclohexane	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240
1,2-Dichloropropane	U	0.322	U	0.322	U	0.322	U	0.322	U	0.322
1,4-Dioxane	U	0.251	U	0.251	U	0.251	U	0.251	U	0.251
Trichloroethene	U	0.375	U	0.375	U	0.375	U	0.375	U	0.375
Heptane	U	0.286	U	0.286	0.897	0.286	0.688	0.286	0.981	0.286
cis-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
Methyl Isobutyl Ketone	U	0.286	U	0.286	1.08	0.286	1.77	0.286	0.967	0.286
trans-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
1,1,2-Trichloroethane	U	0.381	U	0.381	U	0.381	U	0.381	U	0.381
Toluene	U	0.263	U	0.263	12.7	0.263	12.5	0.263	12.0	0.263
2-Hexanone	U	0.286	U	0.286	U	0.286	U	0.286	U	0.286
Dibromochloromethane	U	0.594	U	0.594	U	0.594	U	0.594	U	0.594
1,2-Dibromoethane	U	0.536	U	0.536	U	0.536	U	0.536	U	0.536
Tetrachloroethene	U	0.473	U	0.473	0.604	0.473	0.749	0.473	0.637	0.473
Chlorobenzene	U	0.321	U	0.321	U	0.321	U	0.321	U	0.321
Ethylbenzene	U	0.303	U	0.303	1.32	0.303	1.28	0.303	1.23	0.303
m&p-Xylene	U	0.303	U	0.303	4.30	0.303	4.08	0.303	4.00	0.303
Bromoform	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721
Styrene	U	0.297	U	0.297	0.447	0.297	0.441	0.297	0.424	0.297
1,1,2,2-Tetrachloroethane	U	0.479	U	0.479	U	0.479	U	0.479	U	0.479
o-Xylene	U	0.303	U	0.303	1.78	0.303	1.68	0.303	1.65	0.303
p-Ethyltoluene	U	0.343	U	0.343	1.46	0.343	1.44	0.343	1.38	0.343
1,3,5-Trimethylbenzene	U	0.343	U	0.343	1.23	0.343	1.17	0.343	1.18	0.343
1,2,4-Trimethylbenzene	U	0.343	U	0.343	3.45	0.343	3.18	0.343	3.19	0.343
1,3-Dichlorobenzene	U	0.419	U	0.419	U	0.419	U	0.419	U	0.419
1,4-Dichlorobenzene	U	0.419	U	0.419	0.465	0.419	0.421	0.419	0.455	0.419
1,2-Dichlorobenzene	U	0.419	U	0.419	U	0.419	U	0.419	U	0.419

Table 1.1 Result of the Analysis for VOC(µg/m3) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1017		0-130-1023		0-130-1024		0-130-1025		0-130-1026	
Sample Location	EQP-IA2		EQP-IA5		EQP-IA4		EQP-AMB1		EQP-AMB2	
Sublocation										
Analyte	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3
Propylene	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120
Dichlorodifluoromethane	1.57	0.345	1.57	0.345	1.74	0.345	1.72	0.345	1.82	0.345
Chloromethane	1.37	0.144	1.44	0.144	1.52	0.144	1.46	0.144	1.64	0.144
Dichlorotetrafluoroethane	U	0.488	U	0.488	U	0.488	U	0.488	U	0.488
Vinyl Chloride	U	0.178	U	0.178	U	0.178	U	0.178	U	0.178
1,3-Butadiene	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154
Bromomethane	U	0.271	U	0.271	U	0.271	U	0.271	U	0.271
Chloroethane	U	0.184	U	0.184	U	0.184	U	0.184	U	0.184
Acetone	107	0.552	63.5	0.552	115	0.552	12.5	0.552	14.9	0.552
Trichlorofluoromethane	1.13	0.392	1.24	0.392	1.16	0.392	1.10	0.392	1.19	0.392
Isopropyl Alcohol	U	0.572	U	0.572	U	0.572	1.83	0.572	8.42	0.572
1,1-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
Methylene Chloride	0.776	0.242	0.342	0.242	0.431	0.242	0.343	0.242	0.279	0.242
Trichlorotrifluoroethane	U	0.535	0.614	0.535	0.637	0.535	U	0.535	0.648	0.535
trans-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
1,1-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
MTBE	U	0.252	U	0.252	U	0.252	U	0.252	U	0.252
Vinyl Acetate	U	0.246	U	0.246	U	0.246	U	0.246	U	0.246
2-Butanone	1.92	0.206	1.85	0.206	2.12	0.206	2.02	0.206	2.72	0.206
cis-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
Ethyl Acetate	3.93	0.251	1.00	0.251	1.63	0.251	2.15	0.251	2.57	0.251
Hexane	2.38	0.246	1.31	0.246	1.75	0.246	1.75	0.246	1.55	0.246
Chloroform	5.80	0.341	7.40	0.341	15.9	0.341	U	0.341	0.602	0.341
Tetrahydrofuran	0.890	0.206	0.957	0.206	0.347	0.206	1.38	0.206	1.14	0.206
1,2-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
1,1,1-Trichloroethane	U	0.381	U	0.381	U	0.381	U	0.381	U	0.381
Benzene	0.913	0.223	0.738	0.223	0.918	0.223	0.846	0.223	0.788	0.223
Carbon Tetrachloride	0.471	0.439	0.504	0.439	0.519	0.439	U	0.439	U	0.439
Cyclohexane	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240
1,2-Dichloropropane	U	0.322	U	0.322	U	0.322	U	0.322	U	0.322
1,4-Dioxane	U	0.251	U	0.251	U	0.251	U	0.251	U	0.251
Trichloroethene	U	0.375	U	0.375	U	0.375	U	0.375	U	0.375
Heptane	0.722	0.286	0.434	0.286	U	0.286	0.530	0.286	0.530	0.286
cis-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
Methyl Isobutyl Ketone	0.937	0.286	1.43	0.286	1.26	0.286	U	0.286	U	0.286
trans-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
1,1,2-Trichloroethane	U	0.381	U	0.381	U	0.381	U	0.381	U	0.381
Toluene	12.3	0.263	10.3	0.263	7.27	0.263	6.35	0.263	5.97	0.263
2-Hexanone	U	0.286	U	0.286	U	0.286	U	0.286	U	0.286
Dibromochloromethane	U	0.594	U	0.594	U	0.594	U	0.594	U	0.594
1,2-Dibromoethane	U	0.536	U	0.536	U	0.536	U	0.536	U	0.536
Tetrachloroethene	0.590	0.473	U	0.473	U	0.473	U	0.473	U	0.473
Chlorobenzene	U	0.321	U	0.321	U	0.321	U	0.321	U	0.321
Ethylbenzene	1.31	0.303	0.809	0.303	1.03	0.303	0.708	0.303	0.845	0.303
m&p-Xylene	4.23	0.303	2.87	0.303	3.37	0.303	2.40	0.303	2.52	0.303
Bromoform	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721
Styrene	0.402	0.297	0.307	0.297	0.540	0.297	U	0.297	U	0.297
1,1,2,2-Tetrachloroethane	U	0.479	U	0.479	U	0.479	U	0.479	U	0.479
o-Xylene	1.72	0.303	1.14	0.303	1.38	0.303	0.881	0.303	1.02	0.303
p-Ethyltoluene	1.37	0.343	0.561	0.343	1.14	0.343	U	0.343	U	0.343
1,3,5-Trimethylbenzene	1.14	0.343	0.516	0.343	0.915	0.343	U	0.343	U	0.343
1,2,4-Trimethylbenzene	3.23	0.343	1.48	0.343	2.47	0.343	0.961	0.343	0.888	0.343
1,3-Dichlorobenzene	U	0.419	U	0.419	U	0.419	U	0.419	U	0.419
1,4-Dichlorobenzene	0.464	0.419	U	0.419	0.762	0.419	U	0.419	U	0.419
1,2-Dichlorobenzene	U	0.419	U	0.419	U	0.419	U	0.419	U	0.419

Table 1.1 Result of the Analysis for VOC(µg/m3) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1028		0-130-1029		0-130-1027		0-130-1034		0-130-1035	
Sample Location	EQP-AMB4		EQP-AMB5		EQP-AMB3		EQP-IA6		EQP-IA7	
Sublocation										
Analyte	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3
Propylene	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120
Dichlorodifluoromethane	2.07	0.345	1.52	0.345	1.82	0.345	1.98	0.345	1.76	0.345
Chloromethane	1.86	0.144	1.75	0.144	1.65	0.144	1.78	0.144	1.53	0.144
Dichlorotetrafluoroethane	U	0.488	U	0.488	U	0.488	U	0.488	U	0.488
Vinyl Chloride	U	0.178	U	0.178	U	0.178	U	0.178	U	0.178
1,3-Butadiene	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154
Bromomethane	U	0.271	U	0.271	U	0.271	U	0.271	U	0.271
Chloroethane	U	0.184	U	0.184	U	0.184	U	0.184	U	0.184
Acetone	391	11.9	19.0	0.552	1060	11.9	1850	11.9	20300	95.0
Trichlorofluoromethane	1.30	0.392	1.19	0.392	1.15	0.392	1.25	0.392	1.46	0.392
Isopropyl Alcohol	3.99	0.572	6.30	0.572	1.53	0.572	1.43	0.572	6.03	0.572
1,1-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
Methylene Chloride	0.814	0.242	0.444	0.242	2.48	0.242	4.38	0.242	115	0.242
Trichlorotrifluoroethane	0.578	0.535	0.578	0.535	0.562	0.535	0.658	0.535	0.644	0.535
trans-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	U	0.277	U	0.277
1,1-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
MTBE	U	0.252	U	0.252	U	0.252	U	0.252	U	0.252
Vinyl Acetate	U	0.246	U	0.246	U	0.246	U	0.246	U	0.246
2-Butanone	3.37	0.206	4.63	0.206	3.73	0.206	2.18	0.206	5.28	0.206
cis-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277	0.600	0.277	U	0.277
Ethyl Acetate	3.16	0.251	3.62	0.251	4.62	0.251	4.33	0.251	U	0.251
Hexane	3.06	0.246	1.82	0.246	6.49	0.246	11.4	0.246	34.8	0.246
Chloroform	2.40	0.341	U	0.341	1.69	0.341	1.88	0.341	1.75	0.341
Tetrahydrofuran	0.803	0.206	0.837	0.206	0.736	0.206	0.856	0.206	6.00	0.206
1,2-Dichloroethane	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
1,1,1-Trichloroethane	U	0.381	U	0.381	U	0.381	U	0.381	U	0.381
Benzene	0.796	0.223	1.08	0.223	1.10	0.223	1.23	0.223	1.67	0.223
Carbon Tetrachloride	0.459	0.439	U	0.439	U	0.439	0.449	0.439	U	0.439
Cyclohexane	U	0.240	U	0.240	0.309	0.240	U	0.240	1.96	0.240
1,2-Dichloropropane	U	0.322	U	0.322	U	0.322	U	0.322	U	0.322
1,4-Dioxane	U	0.251	U	0.251	U	0.251	U	0.251	U	0.251
Trichloroethene	U	0.375	U	0.375	U	0.375	U	0.375	U	0.375
Heptane	0.598	0.286	0.587	0.286	0.872	0.286	1.13	0.286	1.36	0.286
cis-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
Methyl Isobutyl Ketone	1.61	0.286	U	0.286	1.64	0.286	0.603	0.286	9.31	0.286
trans-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
1,1,2-Trichloroethane	U	0.381	U	0.381	U	0.381	U	0.381	U	0.381
Toluene	7.50	0.263	13.6	0.263	16.8	0.263	17.6	0.263	154	0.263
2-Hexanone	U	0.286	U	0.286	0.541	0.286	U	0.286	U	0.286
Dibromochloromethane	U	0.594	U	0.594	U	0.594	U	0.594	U	0.594
1,2-Dibromoethane	U	0.536	U	0.536	U	0.536	U	0.536	U	0.536
Tetrachloroethene	U	0.473	U	0.473	0.695	0.473	1.60	0.473	12.3	0.473
Chlorobenzene	U	0.321	U	0.321	U	0.321	U	0.321	0.511	0.321
Ethylbenzene	0.797	0.303	0.885	0.303	1.46	0.303	1.96	0.303	3.10	0.303
m&p-Xylene	3.01	0.303	3.02	0.303	6.30	0.303	8.61	0.303	14.0	0.303
Bromoform	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721
Styrene	U	0.297	0.306	0.297	0.317	0.297	0.374	0.297	0.422	0.297
1,1,2,2-Tetrachloroethane	U	0.479	U	0.479	U	0.479	U	0.479	U	0.479
o-Xylene	1.37	0.303	1.10	0.303	3.35	0.303	5.36	0.303	17.3	0.303
p-Ethyltoluene	3.15	0.343	0.362	0.343	10.5	0.343	23.2	0.343	191	0.343
1,3,5-Trimethylbenzene	2.42	0.343	0.382	0.343	8.77	0.343	17.9	0.343	152	0.343
1,2,4-Trimethylbenzene	6.25	0.343	1.25	0.343	22.4	0.343	45.0	0.343	450	7.37
1,3-Dichlorobenzene	U	0.419	U	0.419	U	0.419	U	0.419	U	0.419
1,4-Dichlorobenzene	U	0.419	U	0.419	U	0.419	U	0.419	0.480	0.419
1,2-Dichlorobenzene	U	0.419	U	0.419	U	0.419	U	0.419	U	0.419

Table 1.1 Result of the Analysis for VOC(µg/m3) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1036		0-130-1038		0-130-1040	
Sample Location	EQP-IA7		EQP-IA8		EQP-IA9	
Sublocation						
Analyte	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3	Results µg/m3	*RL* µg/m3
Propylene	U	0.120	U	0.120	U	0.120
Dichlorodifluoromethane	1.15	0.345	1.77	0.345	1.78	0.345
Chloromethane	1.05	0.144	1.64	0.144	1.50	0.144
Dichlorotetrafluoroethane	U	0.488	U	0.488	U	0.488
Vinyl Chloride	U	0.178	U	0.178	U	0.178
1,3-Butadiene	U	0.154	U	0.154	U	0.154
Bromomethane	U	0.271	U	0.271	U	0.271
Chloroethane	U	0.184	U	0.184	U	0.184
Acetone	23300	95.0	21000	95.0	913	11.9
Trichlorofluoromethane	1.32	0.392	1.11	0.392	1.19	0.392
Isopropyl Alcohol	U	0.572	3.80	0.572	36.5	0.572
1,1-Dichloroethene	U	0.277	U	0.277	U	0.277
Methylene Chloride	118	0.242	600	5.21	1.12	0.242
Trichlorotrifluoroethane	0.613	0.535	0.595	0.535	0.627	0.535
trans-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277
1,1-Dichloroethane	U	0.282	U	0.282	U	0.282
MTBE	U	0.252	U	0.252	U	0.252
Vinyl Acetate	U	0.246	U	0.246	U	0.246
2-Butanone	4.00	0.206	14.5	0.206	24.2	0.206
cis-1,2-Dichloroethene	U	0.277	U	0.277	U	0.277
Ethyl Acetate	0.279	0.251	17.8	0.251	145	0.251
Hexane	35.8	0.246	31.6	0.246	5.11	0.246
Chloroform	1.90	0.341	0.818	0.341	2.27	0.341
Tetrahydrofuran	4.57	0.206	3.08	0.206	U	0.206
1,2-Dichloroethane	U	0.282	U	0.282	1.04	0.282
1,1,1-Trichloroethane	U	0.381	0.431	0.381	U	0.381
Benzene	1.69	0.223	2.93	0.223	2.17	0.223
Carbon Tetrachloride	0.439	0.439	U	0.439	U	0.439
Cyclohexane	2.05	0.240	4.68	0.240	0.793	0.240
1,2-Dichloropropane	U	0.322	U	0.322	U	0.322
1,4-Dioxane	U	0.251	U	0.251	U	0.251
Trichloroethene	U	0.375	U	0.375	U	0.375
Heptane	1.46	0.286	1.98	0.286	5.24	0.286
cis-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317
Methyl Isobutyl Ketone	7.42	0.286	7.32	0.286	0.423	0.286
trans-1,3-Dichloropropene	U	0.317	U	0.317	U	0.317
1,1,2-Trichloroethane	U	0.381	U	0.381	U	0.381
Toluene	152	0.263	144	0.263	814	5.65
2-Hexanone	U	0.286	U	0.286	0.345	0.286
Dibromochloromethane	U	0.594	U	0.594	U	0.594
1,2-Dibromoethane	U	0.536	U	0.536	U	0.536
Tetrachloroethene	12.4	0.473	47.5	0.473	U	0.473
Chlorobenzene	U	0.321	U	0.321	U	0.321
Ethylbenzene	3.21	0.303	3.73	0.303	18.3	0.303
m&p-Xylene	14.6	0.303	14.4	0.303	68.7	0.303
Bromoform	U	0.721	U	0.721	U	0.721
Styrene	0.439	0.297	0.737	0.297	1.97	0.297
1,1,2,2-Tetrachloroethane	U	0.479	U	0.479	U	0.479
o-Xylene	17.9	0.303	12.2	0.303	21.6	0.303
p-Ethyltoluene	200	0.343	105	0.343	25.5	0.343
1,3,5-Trimethylbenzene	154	0.343	78.0	0.343	21.5	0.343
1,2,4-Trimethylbenzene	429	7.37	187	0.343	102	0.343
1,3-Dichlorobenzene	U	0.419	U	0.419	U	0.419
1,4-Dichlorobenzene	0.459	0.419	0.628	0.419	1.39	0.419
1,2-Dichlorobenzene	U	0.419	U	0.419	U	0.419

Table 1.1 Result of the Analysis for VOC (ppbv) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	Method Blank		0-130-1009		0-130-1010		0-130-1011		0-130-1030	
Sample Location	3/3/2012		S2B-IA2		S2B-IA1		S2B-IA1		S2B-AMB1	
Sublocation										
Analyte	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv
Vinyl Chloride	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
trans-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
cis-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,2-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Trichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Tetrachloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698

Table 1.1 Result of the Analysis for VOC (ppbv) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1031		0-130-1032	
Sample Location	S2B-AMB2		S2B-AMB3	
Sublocation				
Analyte	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv
Vinyl Chloride	U	0.0698	U	0.0698
1,1-Dichloroethene	U	0.0698	U	0.0698
trans-1,2-Dichloroethene	U	0.0698	U	0.0698
1,1-Dichloroethane	U	0.0698	U	0.0698
cis-1,2-Dichloroethene	U	0.0698	U	0.0698
1,2-Dichloroethane	U	0.0698	U	0.0698
Trichloroethene	U	0.0698	U	0.0698
Tetrachloroethene	U	0.0698	U	0.0698

Table 1.1 Result of the Analysis for VOC (ppbv) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	Method Blank		0-130-1056		0-130-1014		0-130-1015		0-130-1016	
Sample Location	3/3/2012		TRIP BLANK		EQP-IA1		EQP-IA1		EQP-IA3	
Sublocation										
Analyte	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv
Propylene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Dichlorodifluoromethane	U	0.0698	U	0.0698	0.365	0.0698	0.360	0.0698	0.198	0.0698
Chloromethane	U	0.0698	U	0.0698	0.736	0.0698	0.722	0.0698	0.446	0.0698
Dichlorotetrafluoroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Vinyl Chloride	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,3-Butadiene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Bromomethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Chloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Acetone	0.275	0.233	0.599	0.233	48.5	0.233	46.7	0.233	41.2	0.233
Trichlorofluoromethane	U	0.0698	U	0.0698	0.221	0.0698	0.207	0.0698	0.198	0.0698
Isopropyl Alcohol	U	0.233	U	0.233	U	0.233	U	0.233	U	0.233
1,1-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Methylene Chloride	U	0.0698	U	0.0698	0.239	0.0698	0.227	0.0698	0.226	0.0698
Trichlorotrifluoroethane	U	0.0698	U	0.0698	0.0790	0.0698	0.0728	0.0698	U	0.0698
trans-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
MTBE	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Vinyl Acetate	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
2-Butanone	U	0.0698	U	0.0698	1.15	0.0698	1.23	0.0698	0.808	0.0698
cis-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Ethyl Acetate	U	0.0698	U	0.0698	1.30	0.0698	1.35	0.0698	1.16	0.0698
Hexane	U	0.0698	U	0.0698	0.654	0.0698	0.642	0.0698	0.629	0.0698
Chloroform	U	0.0698	U	0.0698	1.24	0.0698	1.22	0.0698	1.20	0.0698
Tetrahydrofuran	U	0.0698	U	0.0698	U	0.0698	U	0.0698	0.260	0.0698
1,2-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1,1-Trichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Benzene	U	0.0698	U	0.0698	0.307	0.0698	0.294	0.0698	0.299	0.0698
Carbon Tetrachloride	U	0.0698	U	0.0698	0.0765	0.0698	0.0729	0.0698	U	0.0698
Cyclohexane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,2-Dichloropropane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,4-Dioxane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Trichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Heptane	U	0.0698	U	0.0698	0.219	0.0698	0.168	0.0698	0.239	0.0698
cis-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Methyl Isobutyl Ketone	U	0.0698	U	0.0698	0.264	0.0698	0.433	0.0698	0.236	0.0698
trans-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1,2-Trichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Toluene	U	0.0698	U	0.0698	3.36	0.0698	3.31	0.0698	3.17	0.0698
2-Hexanone	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Dibromochloromethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,2-Dibromoethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Tetrachloroethene	U	0.0698	U	0.0698	0.0891	0.0698	0.110	0.0698	0.0939	0.0698
Chlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Ethylbenzene	U	0.0698	U	0.0698	0.305	0.0698	0.296	0.0698	0.283	0.0698
m&p-Xylene	U	0.0698	U	0.0698	0.991	0.0698	0.939	0.0698	0.920	0.0698
Bromoform	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Styrene	U	0.0698	U	0.0698	0.105	0.0698	0.104	0.0698	0.0995	0.0698
1,1,2,2-Tetrachloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
o-Xylene	U	0.0698	U	0.0698	0.410	0.0698	0.386	0.0698	0.380	0.0698
p-Ethyltoluene	U	0.0698	U	0.0698	0.297	0.0698	0.294	0.0698	0.281	0.0698
1,3,5-Trimethylbenzene	U	0.0698	U	0.0698	0.251	0.0698	0.238	0.0698	0.239	0.0698
1,2,4-Trimethylbenzene	U	0.0698	U	0.0698	0.702	0.0698	0.647	0.0698	0.650	0.0698
1,3-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,4-Dichlorobenzene	U	0.0698	U	0.0698	0.0773	0.0698	0.0700	0.0698	0.0757	0.0698
1,2-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698

Table 1.1 Result of the Analysis for VOC (ppbv) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1017		0-130-1023		0-130-1024		0-130-1025		0-130-1026	
Sample Location	EQP-IA2		EQP-IA5		EQP-IA4		EQP-AMB1		EQP-AMB2	
Sublocation										
Analyte	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv
Propylene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Dichlorodifluoromethane	0.317	0.0698	0.317	0.0698	0.353	0.0698	0.348	0.0698	0.368	0.0698
Chloromethane	0.663	0.0698	0.699	0.0698	0.735	0.0698	0.706	0.0698	0.796	0.0698
Dichlorotetrafluoroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Vinyl Chloride	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,3-Butadiene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Bromomethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Chloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Acetone	44.9	0.233	26.7	0.233	48.6	0.233	5.26	0.233	6.29	0.233
Trichlorofluoromethane	0.202	0.0698	0.220	0.0698	0.206	0.0698	0.195	0.0698	0.212	0.0698
Isopropyl Alcohol	U	0.233	U	0.233	U	0.233	0.744	0.233	3.43	0.233
1,1-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Methylene Chloride	0.223	0.0698	0.0983	0.0698	0.124	0.0698	0.0988	0.0698	0.0802	0.0698
Trichlorotrifluoroethane	U	0.0698	0.0802	0.0698	0.0831	0.0698	U	0.0698	0.0846	0.0698
trans-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
MTBE	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Vinyl Acetate	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
2-Butanone	0.652	0.0698	0.628	0.0698	0.718	0.0698	0.686	0.0698	0.923	0.0698
cis-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Ethyl Acetate	1.09	0.0698	0.278	0.0698	0.453	0.0698	0.597	0.0698	0.712	0.0698
Hexane	0.674	0.0698	0.371	0.0698	0.496	0.0698	0.495	0.0698	0.439	0.0698
Chloroform	1.19	0.0698	1.51	0.0698	3.25	0.0698	U	0.0698	0.123	0.0698
Tetrahydrofuran	0.302	0.0698	0.324	0.0698	0.117	0.0698	0.467	0.0698	0.386	0.0698
1,2-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1,1-Trichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Benzene	0.286	0.0698	0.231	0.0698	0.287	0.0698	0.265	0.0698	0.247	0.0698
Carbon Tetrachloride	0.0748	0.0698	0.0800	0.0698	0.0825	0.0698	U	0.0698	U	0.0698
Cyclohexane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,2-Dichloropropane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,4-Dioxane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Trichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Heptane	0.176	0.0698	0.106	0.0698	U	0.0698	0.129	0.0698	0.129	0.0698
cis-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Methyl Isobutyl Ketone	0.229	0.0698	0.349	0.0698	0.308	0.0698	U	0.0698	U	0.0698
trans-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1,2-Trichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Toluene	3.26	0.0698	2.74	0.0698	1.93	0.0698	1.69	0.0698	1.58	0.0698
2-Hexanone	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Dibromochloromethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,2-Dibromoethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Tetrachloroethene	0.0869	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Chlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Ethylbenzene	0.302	0.0698	0.186	0.0698	0.237	0.0698	0.163	0.0698	0.195	0.0698
m&p-Xylene	0.974	0.0698	0.661	0.0698	0.777	0.0698	0.552	0.0698	0.581	0.0698
Bromoform	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Styrene	0.0944	0.0698	0.0720	0.0698	0.127	0.0698	U	0.0698	U	0.0698
1,1,2,2-Tetrachloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
o-Xylene	0.395	0.0698	0.262	0.0698	0.319	0.0698	0.203	0.0698	0.235	0.0698
p-Ethyltoluene	0.278	0.0698	0.114	0.0698	0.232	0.0698	U	0.0698	U	0.0698
1,3,5-Trimethylbenzene	0.233	0.0698	0.105	0.0698	0.186	0.0698	U	0.0698	U	0.0698
1,2,4-Trimethylbenzene	0.658	0.0698	0.300	0.0698	0.502	0.0698	0.195	0.0698	0.181	0.0698
1,3-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,4-Dichlorobenzene	0.0771	0.0698	U	0.0698	0.127	0.0698	U	0.0698	U	0.0698
1,2-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698

Table 1.1 Result of the Analysis for VOC (ppbv) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1028		0-130-1029		0-130-1027		0-130-1034		0-130-1035	
Sample Location	EQP-AMB4		EQP-AMB5		EQP-AMB3		EQP-IA6		EQP-IA7	
Sublocation										
Analyte	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv
Propylene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Dichlorodifluoromethane	0.419	0.0698	0.307	0.0698	0.368	0.0698	0.400	0.0698	0.356	0.0698
Chloromethane	0.902	0.0698	0.847	0.0698	0.798	0.0698	0.862	0.0698	0.740	0.0698
Dichlorotetrafluoroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Vinyl Chloride	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,3-Butadiene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Bromomethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Chloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Acetone	165	5.00	8.01	0.233	446	5.00	779	5.00	8540	40.0
Trichlorofluoromethane	0.231	0.0698	0.212	0.0698	0.205	0.0698	0.222	0.0698	0.260	0.0698
Isopropyl Alcohol	1.62	0.233	2.57	0.233	0.623	0.233	0.580	0.233	2.45	0.233
1,1-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Methylene Chloride	0.234	0.0698	0.128	0.0698	0.714	0.0698	1.26	0.0698	33.2	0.0698
Trichlorotrifluoroethane	0.0755	0.0698	0.0755	0.0698	0.0733	0.0698	0.0859	0.0698	0.0840	0.0698
trans-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
MTBE	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Vinyl Acetate	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
2-Butanone	1.14	0.0698	1.57	0.0698	1.26	0.0698	0.738	0.0698	1.79	0.0698
cis-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698	0.151	0.0698	U	0.0698
Ethyl Acetate	0.876	0.0698	1.00	0.0698	1.28	0.0698	1.20	0.0698	U	0.0698
Hexane	0.868	0.0698	0.517	0.0698	1.84	0.0698	3.22	0.0698	9.86	0.0698
Chloroform	0.492	0.0698	U	0.0698	0.346	0.0698	0.385	0.0698	0.358	0.0698
Tetrahydrofuran	0.272	0.0698	0.284	0.0698	0.250	0.0698	0.290	0.0698	2.03	0.0698
1,2-Dichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1,1-Trichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Benzene	0.249	0.0698	0.338	0.0698	0.345	0.0698	0.384	0.0698	0.524	0.0698
Carbon Tetrachloride	0.0730	0.0698	U	0.0698	U	0.0698	0.0713	0.0698	U	0.0698
Cyclohexane	U	0.0698	U	0.0698	0.0899	0.0698	U	0.0698	0.570	0.0698
1,2-Dichloropropane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,4-Dioxane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Trichloroethene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Heptane	0.146	0.0698	0.143	0.0698	0.213	0.0698	0.275	0.0698	0.332	0.0698
cis-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Methyl Isobutyl Ketone	0.394	0.0698	U	0.0698	0.401	0.0698	0.147	0.0698	2.27	0.0698
trans-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,1,2-Trichloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Toluene	1.99	0.0698	3.61	0.0698	4.46	0.0698	4.66	0.0698	40.8	0.0698
2-Hexanone	U	0.0698	U	0.0698	0.132	0.0698	U	0.0698	U	0.0698
Dibromochloromethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,2-Dibromoethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Tetrachloroethene	U	0.0698	U	0.0698	0.103	0.0698	0.236	0.0698	1.81	0.0698
Chlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	0.111	0.0698
Ethylbenzene	0.184	0.0698	0.204	0.0698	0.337	0.0698	0.451	0.0698	0.715	0.0698
m&p-Xylene	0.693	0.0698	0.695	0.0698	1.45	0.0698	1.98	0.0698	3.22	0.0698
Bromoform	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
Styrene	U	0.0698	0.0718	0.0698	0.0745	0.0698	0.0879	0.0698	0.0990	0.0698
1,1,2,2-Tetrachloroethane	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
o-Xylene	0.316	0.0698	0.254	0.0698	0.771	0.0698	1.24	0.0698	3.98	0.0698
p-Ethyltoluene	0.640	0.0698	0.0736	0.0698	2.14	0.0698	4.71	0.0698	38.9	0.0698
1,3,5-Trimethylbenzene	0.492	0.0698	0.0777	0.0698	1.78	0.0698	3.64	0.0698	30.9	0.0698
1,2,4-Trimethylbenzene	1.27	0.0698	0.254	0.0698	4.56	0.0698	9.16	0.0698	91.6	1.50
1,3-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698
1,4-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	0.0799	0.0698
1,2-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698	U	0.0698	U	0.0698

Table 1.1 Result of the Analysis for VOC (ppbv) in Air
WA# 0-130, Cabo Rojo

Method: SERAS SOP#1814

Sample Number	0-130-1036		0-130-1038		0-130-1040	
Sample Location	EQP-IA7		EQP-IA8		EQP-IA9	
Sublocation						
Analyte	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv	Results ppbv	*RL* ppbv
Propylene	U	0.0698	U	0.0698	U	0.0698
Dichlorodifluoromethane	0.233	0.0698	0.358	0.0698	0.360	0.0698
Chloromethane	0.507	0.0698	0.793	0.0698	0.727	0.0698
Dichlorotetrafluoroethane	U	0.0698	U	0.0698	U	0.0698
Vinyl Chloride	U	0.0698	U	0.0698	U	0.0698
1,3-Butadiene	U	0.0698	U	0.0698	U	0.0698
Bromomethane	U	0.0698	U	0.0698	U	0.0698
Chloroethane	U	0.0698	U	0.0698	U	0.0698
Acetone	9790	40.0	8830	40.0	384	5.00
Trichlorofluoromethane	0.234	0.0698	0.198	0.0698	0.212	0.0698
Isopropyl Alcohol	U	0.233	1.55	0.233	14.9	0.233
1,1-Dichloroethene	U	0.0698	U	0.0698	U	0.0698
Methylene Chloride	34.0	0.0698	173	1.50	0.321	0.0698
Trichlorotrifluoroethane	0.0800	0.0698	0.0777	0.0698	0.0818	0.0698
trans-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698
1,1-Dichloroethane	U	0.0698	U	0.0698	U	0.0698
MTBE	U	0.0698	U	0.0698	U	0.0698
Vinyl Acetate	U	0.0698	U	0.0698	U	0.0698
2-Butanone	1.36	0.0698	4.90	0.0698	8.22	0.0698
cis-1,2-Dichloroethene	U	0.0698	U	0.0698	U	0.0698
Ethyl Acetate	0.0773	0.0698	4.95	0.0698	40.2	0.0698
Hexane	10.2	0.0698	8.97	0.0698	1.45	0.0698
Chloroform	0.388	0.0698	0.167	0.0698	0.466	0.0698
Tetrahydrofuran	1.55	0.0698	1.05	0.0698	U	0.0698
1,2-Dichloroethane	U	0.0698	U	0.0698	0.256	0.0698
1,1,1-Trichloroethane	U	0.0698	0.0790	0.0698	U	0.0698
Benzene	0.530	0.0698	0.918	0.0698	0.680	0.0698
Carbon Tetrachloride	0.0698	0.0698	U	0.0698	U	0.0698
Cyclohexane	0.597	0.0698	1.36	0.0698	0.230	0.0698
1,2-Dichloropropane	U	0.0698	U	0.0698	U	0.0698
1,4-Dioxane	U	0.0698	U	0.0698	U	0.0698
Trichloroethene	U	0.0698	U	0.0698	U	0.0698
Heptane	0.356	0.0698	0.484	0.0698	1.28	0.0698
cis-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698
Methyl Isobutyl Ketone	1.81	0.0698	1.79	0.0698	0.103	0.0698
trans-1,3-Dichloropropene	U	0.0698	U	0.0698	U	0.0698
1,1,2-Trichloroethane	U	0.0698	U	0.0698	U	0.0698
Toluene	40.4	0.0698	38.2	0.0698	216	1.50
2-Hexanone	U	0.0698	U	0.0698	0.0842	0.0698
Dibromochloromethane	U	0.0698	U	0.0698	U	0.0698
1,2-Dibromoethane	U	0.0698	U	0.0698	U	0.0698
Tetrachloroethene	1.82	0.0698	7.01	0.0698	U	0.0698
Chlorobenzene	U	0.0698	U	0.0698	U	0.0698
Ethylbenzene	0.739	0.0698	0.859	0.0698	4.22	0.0698
m&p-Xylene	3.35	0.0698	3.32	0.0698	15.8	0.0698
Bromoform	U	0.0698	U	0.0698	U	0.0698
Styrene	0.103	0.0698	0.173	0.0698	0.463	0.0698
1,1,2,2-Tetrachloroethane	U	0.0698	U	0.0698	U	0.0698
o-Xylene	4.11	0.0698	2.81	0.0698	4.98	0.0698
p-Ethyltoluene	40.6	0.0698	21.4	0.0698	5.18	0.0698
1,3,5-Trimethylbenzene	31.3	0.0698	15.9	0.0698	4.38	0.0698
1,2,4-Trimethylbenzene	87.3	1.50	37.9	0.0698	20.7	0.0698
1,3-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698
1,4-Dichlorobenzene	0.0763	0.0698	0.105	0.0698	0.231	0.0698
1,2-Dichlorobenzene	U	0.0698	U	0.0698	U	0.0698

USEPA

DateShipped: 3/1/2012
CarrierName: FedEx
AirbillNo: R203001

CHAIN OF CUSTODY RECORD

Cabo Rojo
Contact Name: Michael Cartwright
Contact Phone: 732-321-4284

No: 0-130-3/1/12-0008

Cooler #: 3
Lab: SERAS

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop_Date	Stop_Time
-01	0-130-1009	S2B-IA2	TO-15 (Chlorinated)	Air	1	SUMMA	14072	13948	-30	3/1/2012	6:43:00 AM
-02	0-130-1010	S2B-IA1	TO-15 (Chlorinated)	Air	1	SUMMA	14070	14045	-30	3/1/2012	6:42:00 AM
-03	0-130-1011	S2B-IA1	TO-15 (Chlorinated)	Air	1	SUMMA	206	13925	-30	3/1/2012	6:42:00 AM
-04	0-130-1030	S2B-AMB1	TO-15 (Chlorinated)	Air	1	SUMMA	238	13995	-30	3/1/2012	8:48:00 AM
-05	0-130-1031	S2B-AMB2	TO-15 (Chlorinated)	Air	1	SUMMA	14068	14027	-30	3/1/2012	8:50:00 AM
-06	0-130-1032	S2B-AMB3	TO-15 (Chlorinated)	Air	1	SUMMA	27	13792	-30	3/1/2012	8:45:00 AM
-07	0-130-1056	Trip Blank	TO-15 (Full List)	Air	1	SUMMA	54	—	-30	3/1/12	1:00:00 PM

Special Instructions: Analyze per PWA. Samples 0-130-1009 through 1032 analyzed for chlorinated VOC list only. Trip blank gets full TO-15 analysis.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[illegible] 3/1/12	3/1/12	[illegible]	3/2/12	1100						

USEPA
DateShipped: 3/1/2012
CarrierName: FedEx
AirbillNo: 899458692181

R2030017

CHAIN OF CUSTODY RECORD
Cabo Rojo
Contact Name: Michael Cartwright
Contact Phone: 732-321-4284

No: 0-130-3/1/12-0007
Cooler #: 2
Lab: SERAS

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop_Date	Stop_Time
-08	0-130-1027	EQP-AMB3	TO-15 (Full List)	Air	1	SUMMA	75	14049	-30	3/1/2012	8:24:00 AM
-09	0-130-1028	EQP-AMB4	TO-15 (Full List)	Air	1	SUMMA	59	13987	-30	3/1/2012	8:24:00 AM
-10	0-130-1029	EQP-AMB5	TO-15 (Full List)	Air	1	SUMMA	180	13802	-30	3/1/2012	8:32:00 AM
-11	0-130-1034	EQP-IA6	TO-15 (Full List)	Air	1	SUMMA	213	13786	-30	3/1/2012	9:30:00 AM
-12	0-130-1035	EQP-IA7	TO-15 (Full List)	Air	1	SUMMA	8	13993	-30	3/1/2012	9:32:00 AM
-13	0-130-1036	EQP-IA7	TO-15 (Full List)	Air	1	SUMMA	186	13952	-30	3/1/2012	9:32:00 AM
-14	0-130-1038	EQP-IA8	TO-15 (Full List)	Air	1	SUMMA	138	14048	-30	3/1/2012	9:34:00 AM
-15	0-130-1040	EQP-IA9	TO-15 (Full List)	Air	1	SUMMA	200	13782	-30	3/1/2012	10:18:00 AM

Special Instructions: Analyze per PWA. Full TO-15 list.

NOTE - Samples 0-130-1027, 1034, 1035, 1036, 1038 and 1040 are indoor air/ambient samples collected in/near a print shop and a freshly painted building and should be analyzed last.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[signature]	3/1/12	[signature]	3/2/12	1100						

USEPA
DateShipped: 3/1/2012
CarrierName: FedEx
AirbillNo: 899458692181

R203001

CHAIN OF CUSTODY RECORD
Cabo Rojo
Contact Name: Michael Cartwright
Contact Phone: 732-321-4284

No: 0-130-3/1/12-0006
Cooler #: 1
Lab: SERAS

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop_Date	Stop_Time
-16	0-130-1014	EQP-IA1	TO-15 (Full List)	Air	1	SUMMA	245	13926	-30	3/1/2012	7:48:00 AM
-17	0-130-1015	EQP-IA1	TO-15 (Full List)	Air	1	SUMMA	118	14006	-30	3/1/2012	7:48:00 AM
-18	0-130-1016	EQP-IA3	TO-15 (Full List)	Air	1	SUMMA	258	13908	-30	3/1/2012	7:44:00 AM
-19	0-130-1017	EQP-IA2	TO-15 (Full List)	Air	1	SUMMA	201	13947	-30	3/1/2012	7:46:00 AM
-20	0-130-1023	EQP-IA5	TO-15 (Full List)	Air	1	SUMMA	260	14004	-30	3/1/2012	7:52:00 AM
-21	0-130-1024	EQP-IA4	TO-15 (Full List)	Air	1	SUMMA	14069	13793	-30	3/1/2012	7:50:00 AM
-22	0-130-1025	EQP-AMB1	TO-15 (Full List)	Air	1	SUMMA	193	13932	-30	3/1/2012	8:14:00 AM
-23	0-130-1026	EQP-AMB2	TO-15 (Full List)	Air	1	SUMMA	45	13781	-30	3/1/2012	8:18:00 AM
				MC							

Special Instructions: Analyze per PWA. Full TO-15 list.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[illegible]	3/1/12	[illegible]	3/2/12	1600						