

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061937.D
 Acq On : 14 Mar 2019 14:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 15 01:35:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	302490	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	450613	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	379247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	199816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	113391	51.47	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.94%	
35) Dibromofluoromethane	4.10	113	164721	52.38	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.76%	
50) Toluene-d8	7.54	98	485332	51.92	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.40	95	172169	47.02	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	94.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	166037	44.710	ug/l	93
3) Chloromethane	1.10	50	181948	50.554	ug/l	95
4) Vinyl Chloride	1.13	62	177079	51.829	ug/l	98
5) Bromomethane	1.31	94	119884	51.487	ug/l	97
6) Chloroethane	1.39	64	85837	52.853	ug/l	100
7) Trichlorofluoromethane	1.47	101	215046	51.535	ug/l	97
8) Diethyl Ether	1.63	74	48246	50.844	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	149863	52.886	ug/l	99
10) Methyl Iodide	1.91	142	272422m	50.519	ug/l	
11) Tert butyl alcohol	2.56	59	30829	246.567	ug/l	98
12) 1,1-Dichloroethene	1.79	96	133943	51.775	ug/l	91
13) Acrolein	2.00	56	41702	263.219	ug/l	98
14) Allyl chloride	2.09	41	169314	59.408	ug/l	96
15) Acrylonitrile	2.94	53	103759	260.611	ug/l	97
16) Acetone	2.23	43	140169	303.766	ug/l	99
17) Carbon Disulfide	1.82	76	403748m	50.137	ug/l	
18) Methyl Acetate	2.34	43	61059	66.494	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	227125	51.898	ug/l	96
20) Methylene Chloride	2.18	84	133882m	52.497	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	138495	56.881	ug/l	91
22) Diisopropyl ether	2.79	45	400356	54.002	ug/l	97
23) Vinyl Acetate	3.17	43	891281	269.111	ug/l	100
24) 1,1-Dichloroethane	2.87	63	229229	51.730	ug/l	99
25) 2-Butanone	4.33	43	252798	269.333	ug/l #	90
26) 2,2-Dichloropropane	3.59	77	107623	54.406	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	176422	52.300	ug/l	99
28) Bromochloromethane	3.71	49	98821	51.160	ug/l #	94
29) Tetrahydrofuran	4.06	42	100963	249.419	ug/l	98
30) Chloroform	3.84	83	258897	51.151	ug/l	95
31) Cyclohexane	3.69	56	232193m	50.028	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	180678	57.913	ug/l	97
36) 1,1-Dichloropropene	4.27	75	212001	49.806	ug/l	98
37) Ethyl Acetate	4.10	43	84479	47.284	ug/l	100
38) Carbon Tetrachloride	3.98	117	150555	49.965	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	255263	50.772	ug/l	96
40) Benzene	4.62	78	574314	51.618	ug/l	98
41) Methacrylonitrile	4.73	41	51033	52.135	ug/l	97
42) 1,2-Dichloroethane	4.93	62	140149	50.545	ug/l	98
43) Isopropyl Acetate	6.95	43	107501	48.813	ug/l #	96
44) Trichloroethene	5.49	130	174032	50.333	ug/l	100
45) 1,2-Dichloropropane	6.22	63	135406	51.180	ug/l	95
46) Dibromomethane	6.07	93	84300	50.627	ug/l	96
47) Bromodichloromethane	6.38	83	188750	51.310	ug/l	96
48) Methyl methacrylate	6.71	41	70690	50.718	ug/l	90
49) 1,4-Dioxane	6.69	88	13037	1023.215	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	393079	258.250	ug/l	96
52) Toluene	7.61	92	320091	48.632	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	157052	51.721	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	210125	50.169	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	94245	49.696	ug/l	97
56) Ethyl methacrylate	8.61	69	103599	48.473	ug/l	99
57) 1,3-Dichloropropane	8.84	76	157996	50.944	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	81936	242.346	ug/l	95
59) 2-Hexanone	9.48	43	288342	262.593	ug/l	100
60) Dibromochloromethane	8.71	129	130537	48.295	ug/l	96
61) 1,2-Dibromoethane	8.98	107	102848	49.317	ug/l	98
64) Tetrachloroethene	8.14	164	146502	50.273	ug/l	95
65) Chlorobenzene	9.79	112	369675	50.736	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	148148	52.479	ug/l	97
67) Ethyl Benzene	9.89	91	622123	51.515	ug/l	98
68) m/p-Xylenes	10.13	106	464207	100.340	ug/l	98
69) o-Xylene	10.71	106	265187	53.232	ug/l	99
70) Styrene	10.78	104	357976	51.060	ug/l	98
71) Bromoform	10.77	173	73664	49.373	ug/l	95
73) Isopropylbenzene	11.12	105	701719	51.011	ug/l	98
74) N-amyl acetate	11.37	43	171264	54.079	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	118095	51.653	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	81509	52.235	ug/l	89
77) Bromobenzene	11.49	156	164680	49.742	ug/l	96
78) n-propylbenzene	11.58	91	791123	50.926	ug/l	99
79) 2-Chlorotoluene	11.71	91	446890	50.317	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	578600	52.388	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	39858m	55.860	ug/l	
82) 4-Chlorotoluene	11.89	91	457988	50.415	ug/l	97
83) tert-Butylbenzene	12.13	119	626661	53.435	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	555481	51.305	ug/l	99
85) sec-Butylbenzene	12.29	105	822593	53.900	ug/l	99
86) p-Isopropyltoluene	12.45	119	696202	53.667	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	319402	50.809	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	312734	51.572	ug/l	98
89) n-Butylbenzene	12.84	91	656919	52.987	ug/l	99
90) Hexachloroethane	12.91	117	162432	52.020	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	294652	49.472	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18773	47.489	ug/l	89

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93) 1,2,4-Trichlorobenzene	14.19	180	205109	49.122	ug/l	94
94) Hexachlorobutadiene	14.18	225	135923	47.022	ug/l	97
95) Naphthalene	14.44	128	401957	54.049	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	204271	52.985	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

