

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059310.D
 Acq On : 26 Jun 2018 11:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 6/27/2018 1:59:34 PM

Quant Time: Jun 27 02:31:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	297556	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	464369	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	474601	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	271561	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	175886	45.75	ug/l	-0.01
Spiked Amount 50.000			Recovery =	91.50%		
35) Dibromofluoromethane	4.27	113	151005	44.50	ug/l	-0.01
Spiked Amount 50.000			Recovery =	89.00%		
50) Toluene-d8	7.69	98	392450	46.72	ug/l	-0.01
Spiked Amount 50.000			Recovery =	93.44%		
62) 4-Bromofluorobenzene	11.49	95	218688	46.15	ug/l	-0.01
Spiked Amount 50.000			Recovery =	92.30%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	123978	45.60	ug/l	98
3) Chloromethane	1.08	50	89202	48.84	ug/l	96
4) Vinyl Chloride	1.14	62	93680	52.11	ug/l	95
5) Bromomethane	1.33	94	63455	63.50	ug/l	93
6) Chloroethane	1.42	64	49613	54.79	ug/l	90
7) Trichlorofluoromethane	1.48	101	183906m	51.73	ug/l	
8) Diethyl Ether	1.69	74	45839	50.29	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	106069	51.11	ug/l	91
10) Methyl Iodide	1.95	142	198010	52.33	ug/l	98
11) Tert butyl alcohol	2.66	59	48399	189.11	ug/l	97
12) 1,1-Dichloroethene	1.84	96	92803	52.90	ug/l	83
13) Acrolein	2.08	56	31881	262.19	ug/l	88
14) Allyl chloride	2.18	41	172025	52.24	ug/l	91
15) Acrylonitrile	3.05	53	101857	226.00	ug/l	96
16) Acetone	2.31	43	250637	261.52	ug/l	96
17) Carbon Disulfide	1.83	76	216069	52.36	ug/l #	93
18) Methyl Acetate	2.43	43	83679	48.18	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	307150	46.94	ug/l #	92
20) Methylene Chloride	2.26	84	109635	51.00	ug/l #	90
21) trans-1,2-Dichloroethene	2.40	96	92718	49.55	ug/l	93
22) Diisopropyl ether	2.91	45	368469	50.53	ug/l	96
23) Vinyl Acetate	3.31	43	1105614	238.07	ug/l	98
24) 1,1-Dichloroethane	2.98	63	218298	48.28	ug/l	97
25) 2-Butanone	4.47	43	283517	243.72	ug/l	94
26) 2,2-Dichloropropane	3.74	77	156460	50.17	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	134961	47.50	ug/l	90
28) Bromochloromethane	3.86	49	86915	50.06	ug/l	97
29) Tetrahydrofuran	4.23	42	119164	240.67	ug/l	98
30) Chloroform	4.01	83	307350	46.96	ug/l	97
31) Cyclohexane	3.84	56	142186	48.01	ug/l	90
32) 1,1,1-Trichloroethane	4.25	97	226569	47.30	ug/l	97
36) 1,1-Dichloropropene	4.43	75	190328	46.92	ug/l	97
37) Ethyl Acetate	4.26	43	121182	46.60	ug/l #	62
38) Carbon Tetrachloride	4.15	117	244582m	47.78	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	179953	50.06	ug/l	97
40) Benzene	4.79	78	415755	46.22	ug/l	99
41) Methacrylonitrile	4.90	41	61727	44.61	ug/l	93
42) 1,2-Dichloroethane	5.09	62	229048	43.58	ug/l	100
43) Isopropyl Acetate	7.08	43	153513	45.43	ug/l #	90
44) Trichloroethene	5.65	130	143141	46.39	ug/l	93
45) 1,2-Dichloropropane	6.37	63	124097	48.29	ug/l	99
46) Dibromomethane	6.23	93	102585	45.99	ug/l	97
47) Bromodichloromethane	6.52	83	253595	46.97	ug/l	99
48) Methyl methacrylate	6.85	41	106214	46.90	ug/l	96
49) 1,4-Dioxane	6.84	88	10560	868.33	ug/l #	82
51) 4-Methyl-2-Pentanone	8.38	43	568612	227.14	ug/l	100
52) Toluene	7.75	92	300814	44.70	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	236530	48.06	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	252453	47.23	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	121328	46.43	ug/l	94
56) Ethyl methacrylate	8.73	69	152149	47.00	ug/l	99
57) 1,3-Dichloropropane	8.98	76	204528	45.64	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.75	63	54241	223.42	ug/l	100
59) 2-Hexanone	9.61	43	460331	244.39	ug/l	98
60) Dibromochloromethane	8.84	129	190518	47.22	ug/l	94
61) 1,2-Dibromoethane	9.11	107	145561	45.93	ug/l	96
64) Tetrachloroethene	8.28	164	142723	46.37	ug/l	98
65) Chlorobenzene	9.91	112	411598	46.80	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	171579	45.11	ug/l	96
67) Ethyl Benzene	10.01	91	703741	47.17	ug/l	97
68) m/p-Xylenes	10.25	106	489848	92.25	ug/l	98
69) o-Xylene	10.81	106	270800	45.59	ug/l	94
70) Styrene	10.88	104	406477	44.93	ug/l	99
71) Bromoform	10.87	173	115294	44.22	ug/l	99
73) Isopropylbenzene	11.20	105	790117	49.94	ug/l	98
74) N-amyl acetate	11.44	43	283591	49.40	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	181849	45.51	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	137134	45.50	ug/l	92
77) Bromobenzene	11.58	156	212758	48.47	ug/l	86
78) n-propylbenzene	11.67	91	916654	48.25	ug/l	98
79) 2-Chlorotoluene	11.80	91	555860	47.89	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	673355	48.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	83088	46.32	ug/l	91
82) 4-Chlorotoluene	11.97	91	591863	47.60	ug/l	95
83) tert-Butylbenzene	12.20	119	696199	50.23	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	686916	47.06	ug/l	100
85) sec-Butylbenzene	12.37	105	882355	48.03	ug/l	96
86) p-Isopropyltoluene	12.53	119	763198	49.50	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	387249	53.79	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	379932	48.47	ug/l	96
89) n-Butylbenzene	12.90	91	753253	48.12	ug/l	98
90) Hexachloroethane	12.98	117	189809	49.39	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	377552	47.38	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41336	46.67	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	280724	47.65	ug/l	98
94) Hexachlorobutadiene	14.24	225	164842	50.09	ug/l	95
95) Naphthalene	14.51	128	602191	48.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	270062	48.38	ug/l	99

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

