

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121318\
 Data File : VD060552.D
 Acq On : 13 Dec 2018 10:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 11:25:22 AM

Quant Time: Dec 14 01:21:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1720402	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2387886	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1964721	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	956304	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	608585	49.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	6.31	113	880151	50.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	9.44	98	2563851	50.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.42	95	907752	49.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	787286	47.837	ug/l	96
3) Chloromethane	1.78	50	814337	46.070	ug/l	99
4) Vinyl Chloride	1.87	62	699602	49.591	ug/l	98
5) Bromomethane	2.17	94	171723	48.657	ug/l	90
6) Chloroethane	2.28	64	213563	45.947	ug/l	99
7) Trichlorofluoromethane	2.53	101	794992	48.805	ug/l	99
8) Diethyl Ether	2.84	74	141135	50.162	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.10	101	523261	49.509	ug/l	98
10) Methyl Iodide	3.25	142	607564	49.179	ug/l	98
11) Tert butyl alcohol	3.96	59	129989	262.385	ug/l	95
12) 1,1-Dichloroethene	3.09	96	427700	49.738	ug/l	94
13) Acrolein	3.00	56	146256	270.180	ug/l	91
14) Allyl chloride	3.54	41	841820	51.598	ug/l	99
15) Acrylonitrile	4.09	53	730310	259.620	ug/l	95
16) Acetone	3.16	43	531031	271.680	ug/l	99
17) Carbon Disulfide	3.32	76	1370271	49.057	ug/l	100
18) Methyl Acetate	3.56	43	234701	50.523	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	1228743	51.527	ug/l	99
20) Methylene Chloride	3.73	84	884974	49.242	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	951911	50.890	ug/l	99
22) Diisopropyl ether	4.85	45	3019459	51.546	ug/l	96
23) Vinyl Acetate	4.80	43	7664908	264.101	ug/l	100
24) 1,1-Dichloroethane	4.75	63	1559568	51.249	ug/l	99
25) 2-Butanone	5.62	43	1055465	274.465	ug/l	98
26) 2,2-Dichloropropane	5.58	77	1230537	52.344	ug/l	99
27) cis-1,2-Dichloroethene	5.59	96	987873	51.942	ug/l	99
28) Bromochloromethane	5.92	49	676195	50.160	ug/l	99
29) Tetrahydrofuran	5.94	42	574376	263.760	ug/l	99
30) Chloroform	6.10	83	1564443	51.029	ug/l	98
31) Cyclohexane	6.35	56	1392019	53.783	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	1300875	51.614	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1180826	50.590	ug/l	99
37) Ethyl Acetate	5.69	43	560140	55.335	ug/l	98
38) Carbon Tetrachloride	6.49	117	1067931	50.964	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1351613	50.796	ug/l	100
40) Benzene	6.79	78	3101337	51.990	ug/l	99
41) Methacrylonitrile	5.92	41	265871m	48.723	ug/l	
42) 1,2-Dichloroethane	6.88	62	784650	51.734	ug/l	99
43) Isopropyl Acetate	8.33	43	667906	53.451	ug/l	100
44) Trichloroethene	7.73	130	936180	52.514	ug/l	98
45) 1,2-Dichloropropane	8.09	63	772094	52.333	ug/l	99
46) Dibromomethane	8.20	93	443859	52.070	ug/l	98
47) Bromodichloromethane	8.48	83	1053727	52.099	ug/l	98
48) Methyl methacrylate	8.23	41	394567	53.365	ug/l	99
49) 1,4-Dioxane	8.21	88	73117	1091.121	ug/l	97
51) 4-Methyl-2-Pentanone	9.33	43	2084920	268.230	ug/l	100
52) Toluene	9.53	92	1908482	51.187	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	903072	54.339	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1177428	53.923	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	529954	51.041	ug/l	97
56) Ethyl methacrylate	10.01	69	515031	54.809	ug/l	98
57) 1,3-Dichloropropane	10.37	76	847833	52.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1505220	267.711	ug/l	99
59) 2-Hexanone	10.48	43	1593293	293.259	ug/l	99
60) Dibromochloromethane	10.62	129	701010	54.000	ug/l	99
61) 1,2-Dibromoethane	10.74	107	556954	52.635	ug/l	99
64) Tetrachloroethene	10.24	164	847216	48.698	ug/l	98
65) Chlorobenzene	11.30	112	2039664	49.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	665731	49.693	ug/l	97
67) Ethyl Benzene	11.41	91	3450416	48.668	ug/l	99
68) m/p-Xylenes	11.55	106	2562840	97.711	ug/l	99
69) o-Xylene	11.92	106	1237114	49.492	ug/l	97
70) Styrene	11.94	104	1990071	49.601	ug/l	99
71) Bromoform	12.10	173	462836	51.783	ug/l	98
73) Isopropylbenzene	12.27	105	3383614	50.001	ug/l	99
74) N-amyl acetate	12.12	43	866559	52.984	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	558444	51.547	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	561968	51.864	ug/l	99
77) Bromobenzene	12.53	156	900567	50.628	ug/l	87
78) n-propylbenzene	12.62	91	4203282	49.137	ug/l	98
79) 2-Chlorotoluene	12.69	91	2331024	50.218	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	2613898	50.550	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	164943	54.579	ug/l	98
82) 4-Chlorotoluene	12.80	91	2596788	49.809	ug/l	96
83) tert-Butylbenzene	13.04	119	3004808	51.827	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	2700331	50.434	ug/l	100
85) sec-Butylbenzene	13.21	105	3656624	50.602	ug/l	96
86) p-Isopropyltoluene	13.33	119	2817667	49.189	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1578269	49.005	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1569261	49.668	ug/l	96
89) n-Butylbenzene	13.64	91	3024130	54.214	ug/l	99
90) Hexachloroethane	13.84	117	760412	52.945	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	1293251	49.136	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	70971	54.065	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1056994	51.372	ug/l	97
94) Hexachlorobutadiene	14.87	225	763471	50.293	ug/l	97
95) Naphthalene	14.95	128	1275728	52.119	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	849677	51.828	ug/l	99

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

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