

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063307.D
 Acq On : 2 Aug 2019 10:40
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 04 03:35:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1189749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1590590	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1331269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	696936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	647111	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	6.91	113	679687	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.40	98	1649920	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
62) 4-Bromofluorobenzene	13.55	95	691238	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	691915	47.577	ug/l	98
3) Chloromethane	1.74	50	553334	48.971	ug/l	94
4) Vinyl Chloride	1.84	62	559742	47.853	ug/l	99
5) Bromomethane	2.14	94	250167	42.406	ug/l	97
6) Chloroethane	2.26	64	269815	49.961	ug/l	94
7) Trichlorofluoromethane	2.52	101	1162838	51.243	ug/l	98
8) Diethyl Ether	2.86	74	159415	50.196	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	669158	53.234	ug/l	99
10) Methyl Iodide	3.28	142	915268	50.403	ug/l	95
11) Tert butyl alcohol	4.07	59	123358	212.928	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	496356	53.787	ug/l	85
13) Acrolein	3.02	56	164785	295.546	ug/l	89
14) Allyl chloride	3.60	41	733495	49.895	ug/l	96
15) Acrylonitrile	4.18	53	376166	250.445	ug/l	99
16) Acetone	3.21	43	768636	298.830	ug/l	95
17) Carbon Disulfide	3.36	76	1536354	49.740	ug/l	99
18) Methyl Acetate	3.63	43	230086	46.570	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	1002489	48.092	ug/l	98
20) Methylene Chloride	3.80	84	503529	48.431	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	538672	52.024	ug/l	91
22) Diisopropyl ether	5.11	45	1498681	51.027	ug/l #	95
23) Vinyl Acetate	5.04	43	4747140	262.939	ug/l	99
24) 1,1-Dichloroethane	4.97	63	946565	50.455	ug/l	97
25) 2-Butanone	6.05	43	654424	253.518	ug/l	93
26) 2,2-Dichloropropane	6.00	77	1042237	53.908	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	577340	52.006	ug/l	88
28) Bromochloromethane	6.43	49	323535	43.284	ug/l #	100
29) Tetrahydrofuran	6.44	42	316765	259.187	ug/l	99
30) Chloroform	6.65	83	1135189	48.758	ug/l	99
31) Cyclohexane	6.94	56	618400	52.588	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	1156508	51.355	ug/l	97
36) 1,1-Dichloropropene	7.13	75	794299	54.718	ug/l	97
37) Ethyl Acetate	6.17	43	321932	49.364	ug/l #	99
38) Carbon Tetrachloride	7.09	117	1294900	59.254	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	643030	53.168	ug/l	94
40) Benzene	7.44	78	1677604	55.142	ug/l	97
41) Methacrylonitrile	6.44	41	409439	52.485	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	808459	50.141	ug/l	96
43) Isopropyl Acetate	9.23	43	444435	53.350	ug/l	98
44) Trichloroethene	8.53	130	627005	50.861	ug/l	99
45) 1,2-Dichloropropane	8.93	63	390922	50.554	ug/l	99
46) Dibromomethane	9.05	93	336968	52.408	ug/l	94
47) Bromodichloromethane	9.36	83	898508	54.821	ug/l	94
48) Methyl methacrylate	9.11	41	272197	50.380	ug/l	98
49) 1,4-Dioxane	9.07	88	54569	1193.079	ug/l	87
51) 4-Methyl-2-Pentanone	10.29	43	1501427	265.014	ug/l	99
52) Toluene	10.50	92	1016778	50.250	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	729361	51.617	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	794018	53.467	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	360690	52.780	ug/l	97
56) Ethyl methacrylate	11.03	69	400418	53.508	ug/l	92
57) 1,3-Dichloropropane	11.40	76	589473	54.746	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	1016779	261.124	ug/l	99
59) 2-Hexanone	11.52	43	1153423	282.509	ug/l	99
60) Dibromochloromethane	11.67	129	679043	52.634	ug/l	96
61) 1,2-Dibromoethane	11.80	107	457387	54.240	ug/l	98
64) Tetrachloroethene	11.25	164	575248	54.239	ug/l	98
65) Chlorobenzene	12.39	112	1349770	52.713	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	631981	56.030	ug/l	96
67) Ethyl Benzene	12.52	91	2455274	56.444	ug/l	98
68) m/p-Xylenes	12.66	106	1670972	104.746	ug/l	94
69) o-Xylene	13.04	106	797970	54.471	ug/l	88
70) Styrene	13.07	104	1389506	53.485	ug/l	98
71) Bromoform	13.23	173	436675	53.237	ug/l	100
73) Isopropylbenzene	13.39	105	2293307	52.428	ug/l	100
74) N-amyl acetate	13.26	43	603252	52.168	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	412373	55.500	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	424777	50.743	ug/l	99
77) Bromobenzene	13.66	156	632459	50.756	ug/l	94
78) n-propylbenzene	13.77	91	2862041	54.982	ug/l	100
79) 2-Chlorotoluene	13.84	91	1671332	55.412	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1901884	50.412	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	122248	52.591	ug/l	95
82) 4-Chlorotoluene	13.94	91	1873390	52.777	ug/l	89
83) tert-Butylbenzene	14.18	119	2064314	47.921	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	2011711	51.552	ug/l	99
85) sec-Butylbenzene	14.36	105	2421897	53.363	ug/l	100
86) p-Isopropyltoluene	14.49	119	2230675	51.495	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1155717	52.373	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	1135853	50.902	ug/l	94
89) n-Butylbenzene	14.79	91	2099480	56.116	ug/l	98
90) Hexachloroethane	15.00	117	641028	56.799	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	1026362	53.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	81340	53.744	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	803919	52.707	ug/l	97
94) Hexachlorobutadiene	16.03	225	579268	52.407	ug/l	97
95) Naphthalene	16.12	128	1081993	50.190	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	628891	52.193	ug/l	95

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

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