

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065457.D
 Acq On : 09 Mar 2020 18:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 3:34:29 PM

Quant Time: Mar 10 13:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	459710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	675685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205920	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	7.92	113	222759	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.34	98	868839	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.64	95	267612	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	164402	41.611	ug/l	98
3) Chloromethane	2.21	50	212349	44.518	ug/l	99
4) Vinyl Chloride	2.35	62	213753	45.433	ug/l	99
5) Bromomethane	2.77	94	140083	53.469	ug/l	98
6) Chloroethane	2.93	64	134962	46.837	ug/l	98
7) Trichlorofluoromethane	3.27	101	316321	45.629	ug/l	99
8) Diethyl Ether	3.71	74	100647	48.820	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	208331	46.660	ug/l	99
10) Methyl Iodide	4.30	142	233770	50.397	ug/l	99
11) Tert butyl alcohol	5.25	59	54682	241.751	ug/l	99
12) 1,1-Dichloroethene	4.06	96	196479	45.956	ug/l	97
13) Acrolein	3.92	56	71964	184.479	ug/l	97
14) Allyl chloride	4.71	41	319515	48.649	ug/l	99
15) Acrylonitrile	5.43	53	222089	247.623	ug/l	99
16) Acetone	4.16	43	170023	213.192	ug/l	99
17) Carbon Disulfide	4.40	76	644939	45.298	ug/l	100
18) Methyl Acetate	4.73	43	95739	47.325	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	424743	51.661	ug/l	96
20) Methylene Chloride	4.96	84	238951	55.558	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	232914	48.973	ug/l	95
22) Diisopropyl ether	6.37	45	649397	53.190	ug/l	98
23) Vinyl Acetate	6.31	43	1795257	264.825	ug/l	100
24) 1,1-Dichloroethane	6.26	63	386393	49.341	ug/l	99
25) 2-Butanone	7.22	43	258505	237.525	ug/l	99
26) 2,2-Dichloropropane	7.21	77	323187	47.226	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	248694	51.158	ug/l	99
28) Bromochloromethane	7.55	49	165420	52.798	ug/l	99
29) Tetrahydrofuran	7.57	42	175063	251.883	ug/l	99
30) Chloroform	7.71	83	397413	50.773	ug/l	99
31) Cyclohexane	7.98	56	356472	45.524	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	349399	48.304	ug/l	99
36) 1,1-Dichloropropene	8.11	75	317828	49.071	ug/l	100
37) Ethyl Acetate	7.30	43	124885	49.886	ug/l	99
38) Carbon Tetrachloride	8.10	117	321171	47.819	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	381119	48.720	ug/l	96
40) Benzene	8.36	78	915795	50.571	ug/l	100
41) Methacrylonitrile	7.53	41	70553	53.290	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	238253	50.384	ug/l	100
43) Isopropyl Acetate	8.46	43	229628	49.677	ug/l	99
44) Trichloroethene	9.11	130	248915	48.672	ug/l	99
45) 1,2-Dichloropropane	9.39	63	226700	51.680	ug/l	95
46) Dibromomethane	9.48	93	116993	51.417	ug/l	99
47) Bromodichloromethane	9.67	83	303123	51.208	ug/l	98
48) Methyl methacrylate	9.46	41	108049	49.693	ug/l	100
49) 1,4-Dioxane	9.47	88	25084	963.777	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	611041	262.691	ug/l	100
52) Toluene	10.41	92	582196	51.033	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	284381	51.408	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	343731	51.335	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	165307	51.295	ug/l	99
56) Ethyl methacrylate	10.67	69	191562	52.727	ug/l	99
57) 1,3-Dichloropropane	10.95	76	276158	50.646	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	262542	231.379	ug/l	100
59) 2-Hexanone	10.99	43	400416	248.673	ug/l	99
60) Dibromochloromethane	11.14	129	212172	51.362	ug/l	99
61) 1,2-Dibromoethane	11.25	107	155495	50.585	ug/l	98
64) Tetrachloroethene	10.88	164	214236	48.666	ug/l	97
65) Chlorobenzene	11.67	112	604984	49.763	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	227169	51.306	ug/l	97
67) Ethyl Benzene	11.75	91	1081178	51.469	ug/l	100
68) m/p-Xylenes	11.86	106	840309	103.744	ug/l	100
69) o-Xylene	12.18	106	374445	52.554	ug/l	100
70) Styrene	12.20	104	668072	53.277	ug/l	99
71) Bromoform	12.37	173	124662	50.124	ug/l #	100
73) Isopropylbenzene	12.48	105	1004079	50.854	ug/l	99
74) N-amyl acetate	12.30	43	203761	50.409	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	169466	48.829	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	127593m	53.867	ug/l	
77) Bromobenzene	12.77	156	248383	50.634	ug/l	100
78) n-propylbenzene	12.83	91	1203478	51.372	ug/l	100
79) 2-Chlorotoluene	12.91	91	663385	50.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	833786	51.367	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	53368	47.547	ug/l	97
82) 4-Chlorotoluene	13.01	91	709418	51.133	ug/l	100
83) tert-Butylbenzene	13.23	119	705252	51.357	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	828131	51.758	ug/l	99
85) sec-Butylbenzene	13.41	105	982813	50.139	ug/l	99
86) p-Isopropyltoluene	13.52	119	910304	50.893	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	467086	49.526	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	455703	48.575	ug/l	99
89) n-Butylbenzene	13.85	91	822896	49.763	ug/l	100
90) Hexachloroethane	14.12	117	179162	48.639	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	398687	49.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25397	48.050	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	268082	49.283	ug/l	98
94) Hexachlorobutadiene	15.28	225	167952	46.990	ug/l	97
95) Naphthalene	15.41	128	436963	45.505	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	230423	49.020	ug/l	96

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

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