

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065155.D
 Acq On : 11 Feb 2020 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:37 PM

Quant Time: Feb 12 07:40:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	469835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230676	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	7.92	113	226909	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
50) Toluene-d8	10.34	98	850857	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.64	95	279317	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	193402	49.466	ug/l	99
3) Chloromethane	2.21	50	259566	56.397	ug/l	95
4) Vinyl Chloride	2.35	62	258874	53.185	ug/l	98
5) Bromomethane	2.77	94	156745	49.665	ug/l	98
6) Chloroethane	2.92	64	163960	54.304	ug/l	99
7) Trichlorofluoromethane	3.27	101	374803	52.912	ug/l	98
8) Diethyl Ether	3.70	74	118268	58.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222757	51.441	ug/l	99
10) Methyl Iodide	4.29	142	261360	52.879	ug/l	98
11) Tert butyl alcohol	5.26	59	68531	280.889	ug/l	99
12) 1,1-Dichloroethene	4.06	96	214979	51.836	ug/l	99
13) Acrolein	3.93	56	77877	259.514	ug/l	97
14) Allyl chloride	4.71	41	377591	54.781	ug/l	99
15) Acrylonitrile	5.43	53	269609	303.259	ug/l	99
16) Acetone	4.17	43	219399	219.758	ug/l	98
17) Carbon Disulfide	4.40	76	700626	52.615	ug/l	98
18) Methyl Acetate	4.73	43	123818	59.360	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	542792	59.185	ug/l	97
20) Methylene Chloride	4.96	84	260377	60.020	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	255734	54.502	ug/l	98
22) Diisopropyl ether	6.37	45	779548	59.959	ug/l	98
23) Vinyl Acetate	6.31	43	2253800	311.009	ug/l	99
24) 1,1-Dichloroethane	6.27	63	454503	57.755	ug/l	98
25) 2-Butanone	7.22	43	338570	284.296	ug/l	96
26) 2,2-Dichloropropane	7.21	77	363301	51.505	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	287487	57.672	ug/l	97
28) Bromochloromethane	7.55	49	179954	60.324	ug/l	99
29) Tetrahydrofuran	7.57	42	222225	308.567	ug/l	99
30) Chloroform	7.71	83	460436	58.761	ug/l	99
31) Cyclohexane	7.98	56	390580	49.168	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	403119	55.228	ug/l	99
36) 1,1-Dichloropropene	8.11	75	351275	52.414	ug/l	100
37) Ethyl Acetate	7.30	43	156802	57.269	ug/l	98
38) Carbon Tetrachloride	8.10	117	360790	52.709	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	410723	49.650	ug/l	98
40) Benzene	8.36	78	1022806	55.265	ug/l	98
41) Methacrylonitrile	7.54	41	100748	66.791	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	296781	56.279	ug/l	99
43) Isopropyl Acetate	8.46	43	299356	57.156	ug/l	98
44) Trichloroethene	9.11	130	279454	52.606	ug/l	96
45) 1,2-Dichloropropane	9.39	63	257928	58.127	ug/l	97
46) Dibromomethane	9.48	93	137606	59.015	ug/l	99
47) Bromodichloromethane	9.67	83	364645	59.352	ug/l	97
48) Methyl methacrylate	9.46	41	144319	57.262	ug/l	98
49) 1,4-Dioxane	9.47	88	33138	1199.899	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	773966	300.217	ug/l	99
52) Toluene	10.41	92	659848	55.862	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	344886	57.656	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	410190	57.335	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	188925	59.071	ug/l	97
56) Ethyl methacrylate	10.67	69	242212	59.854	ug/l	98
57) 1,3-Dichloropropane	10.95	76	326781	58.106	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	329768	252.399	ug/l	99
59) 2-Hexanone	10.99	43	517711	283.511	ug/l	98
60) Dibromochloromethane	11.14	129	247827	59.825	ug/l	99
61) 1,2-Dibromoethane	11.25	107	183276	58.647	ug/l	99
64) Tetrachloroethene	10.88	164	237135	50.221	ug/l	99
65) Chlorobenzene	11.68	112	692490	54.484	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	266420	56.795	ug/l	99
67) Ethyl Benzene	11.75	91	1249248	54.100	ug/l	97
68) m/p-Xylenes	11.86	106	956646	108.545	ug/l	100
69) o-Xylene	12.18	106	434575	54.756	ug/l	98
70) Styrene	12.20	104	789517	57.237	ug/l	99
71) Bromoform	12.37	173	145561	57.650	ug/l #	100
73) Isopropylbenzene	12.48	105	1142055	51.697	ug/l	100
74) N-amyl acetate	12.30	43	275430	57.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	197749	56.876	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	135569m	55.633	ug/l	
77) Bromobenzene	12.77	156	285157	53.575	ug/l	98
78) n-propylbenzene	12.83	91	1356847	52.447	ug/l	99
79) 2-Chlorotoluene	12.91	91	764962	53.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	956680	52.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	66055	54.212	ug/l	100
82) 4-Chlorotoluene	13.01	91	807126	53.292	ug/l	100
83) tert-Butylbenzene	13.23	119	787315	50.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	970906	54.112	ug/l	98
85) sec-Butylbenzene	13.41	105	1103782	51.831	ug/l	100
86) p-Isopropyltoluene	13.53	119	1042033	52.664	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	539296	54.117	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	530455	53.481	ug/l	99
89) n-Butylbenzene	13.86	91	939180	51.426	ug/l	100
90) Hexachloroethane	14.12	117	200159	53.422	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	469272	54.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31193	54.959	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	321309	52.667	ug/l	98
94) Hexachlorobutadiene	15.28	225	181339	48.341	ug/l	99
95) Naphthalene	15.41	128	549360	54.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	275779	52.847	ug/l	99

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

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