

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\
 Data File : VD065382.D
 Acq On : 02 Mar 2020 16:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:12:05 AM

Quant Time: Mar 02 17:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	655661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	194571	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.92	113	209383	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.34	98	793835	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.64	95	260218	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	184435	49.121	ug/l	98
3) Chloromethane	2.21	50	216910	45.388	ug/l	100
4) Vinyl Chloride	2.35	62	217291	44.713	ug/l	98
5) Bromomethane	2.77	94	133994	45.603	ug/l	96
6) Chloroethane	2.92	64	135287	45.607	ug/l	98
7) Trichlorofluoromethane	3.27	101	346181	49.757	ug/l	100
8) Diethyl Ether	3.70	74	107822	51.340	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	223180	50.796	ug/l	99
10) Methyl Iodide	4.29	142	235506	51.625	ug/l	100
11) Tert butyl alcohol	5.24	59	56801	236.033	ug/l	100
12) 1,1-Dichloroethene	4.06	96	203727	49.085	ug/l	99
13) Acrolein	3.92	56	71799	242.720	ug/l	99
14) Allyl chloride	4.71	41	326745	48.479	ug/l	99
15) Acrylonitrile	5.43	53	242438	260.741	ug/l	99
16) Acetone	4.16	43	212473	215.832	ug/l	97
17) Carbon Disulfide	4.40	76	634826	45.622	ug/l	100
18) Methyl Acetate	4.72	43	109327	49.378	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	458136	52.932	ug/l	97
20) Methylene Chloride	4.96	84	246084	56.776	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	234965	49.798	ug/l	99
22) Diisopropyl ether	6.37	45	681331	52.438	ug/l	98
23) Vinyl Acetate	6.31	43	1915228	267.376	ug/l	98
24) 1,1-Dichloroethane	6.26	63	401592	49.830	ug/l	98
25) 2-Butanone	7.22	43	293959	236.012	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343748	49.160	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	255978	51.217	ug/l	98
28) Bromochloromethane	7.55	49	151267	50.592	ug/l	99
29) Tetrahydrofuran	7.57	42	191752	262.752	ug/l	99
30) Chloroform	7.71	83	414112	51.003	ug/l	95
31) Cyclohexane	7.98	56	367827	46.452	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	365445	50.305	ug/l	99
36) 1,1-Dichloropropene	8.11	75	321855	50.450	ug/l	99
37) Ethyl Acetate	7.30	43	133655	50.115	ug/l	99
38) Carbon Tetrachloride	8.10	117	329347	50.713	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	395358	52.714	ug/l	97
40) Benzene	8.35	78	944159	52.433	ug/l	100
41) Methacrylonitrile	7.53	41	79413	51.570	ug/l	95
42) 1,2-Dichloroethane	8.43	62	247747	50.046	ug/l	98
43) Isopropyl Acetate	8.46	43	250935	51.741	ug/l	100
44) Trichloroethene	9.11	130	260583	52.205	ug/l	94
45) 1,2-Dichloropropane	9.39	63	235970	52.700	ug/l	99
46) Dibromomethane	9.48	93	121809	52.873	ug/l	97
47) Bromodichloromethane	9.67	83	315755	52.007	ug/l	98
48) Methyl methacrylate	9.46	41	120143	53.594	ug/l	95
49) 1,4-Dioxane	9.47	88	28327	1048.359	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	658645	267.385	ug/l	99
52) Toluene	10.41	92	604736	54.256	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	305983	54.372	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	369187	54.327	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	173882	53.624	ug/l	98
56) Ethyl methacrylate	10.67	69	211923	56.623	ug/l	99
57) 1,3-Dichloropropane	10.95	76	294134	53.296	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	292826	248.164	ug/l	98
59) 2-Hexanone	10.99	43	465327	263.893	ug/l	97
60) Dibromochloromethane	11.14	129	226319	54.530	ug/l	98
61) 1,2-Dibromoethane	11.25	107	167347	54.507	ug/l	98
64) Tetrachloroethene	10.88	164	222122	50.960	ug/l	96
65) Chlorobenzene	11.67	112	634024	51.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	238473	51.816	ug/l	99
67) Ethyl Benzene	11.75	91	1124930	52.081	ug/l	99
68) m/p-Xylenes	11.86	106	877974	106.243	ug/l	99
69) o-Xylene	12.18	106	394547	53.890	ug/l	98
70) Styrene	12.20	104	699646	53.824	ug/l	99
71) Bromoform	12.37	173	134688	52.740	ug/l #	99
73) Isopropylbenzene	12.48	105	1081367	53.846	ug/l	99
74) N-amyl acetate	12.30	43	233282	52.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	185523	51.186	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	124939m	48.409	ug/l	
77) Bromobenzene	12.77	156	264842	53.108	ug/l	98
78) n-propylbenzene	12.83	91	1288262	53.380	ug/l	99
79) 2-Chlorotoluene	12.91	91	705725	52.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	896325	54.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58475	48.920	ug/l	96
82) 4-Chlorotoluene	13.01	91	749165	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	740733	53.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	891630	53.856	ug/l	100
85) sec-Butylbenzene	13.41	105	1065008	53.314	ug/l	100
86) p-Isopropyltoluene	13.53	119	987553	54.060	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	502539	52.127	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	494755	51.998	ug/l	100
89) n-Butylbenzene	13.86	91	913039	54.239	ug/l	100
90) Hexachloroethane	14.12	117	191886	51.732	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	431849	52.170	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28533	51.085	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	302608	55.887	ug/l	98
94) Hexachlorobutadiene	15.28	225	185879	53.515	ug/l	100
95) Naphthalene	15.41	128	506707	57.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	264875	56.011	ug/l	98

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

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