

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065230.D
 Acq On : 18 Feb 2020 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:43:46 PM

Quant Time: Feb 19 04:23:48 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	7.99	168	466787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318795	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	200402	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	
35) Dibromofluoromethane	7.92	113	202772	46.87	ug/l	0.00
Spiked Amount						
			Recovery	=	93.74%	
50) Toluene-d8	10.34	98	783253	47.36	ug/l	0.00
Spiked Amount						
			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.64	95	247509	47.24	ug/l	0.00
Spiked Amount						
			Recovery	=	94.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	195651	49.973	ug/l	98
3) Chloromethane	2.21	50	249538	50.075	ug/l	96
4) Vinyl Chloride	2.35	62	246150	48.576	ug/l	97
5) Bromomethane	2.77	94	149686	48.856	ug/l	95
6) Chloroethane	2.93	64	154691	50.012	ug/l	98
7) Trichlorofluoromethane	3.27	101	344829	47.531	ug/l	99
8) Diethyl Ether	3.71	74	114986	52.508	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	218341	47.658	ug/l	98
10) Methyl Iodide	4.30	142	243552	51.200	ug/l	98
11) Tert butyl alcohol	5.24	59	61044	243.270	ug/l	99
12) 1,1-Dichloroethene	4.06	96	211002	48.755	ug/l	98
13) Acrolein	3.93	56	68987	221.054	ug/l	98
14) Allyl chloride	4.71	41	355566	50.593	ug/l	100
15) Acrylonitrile	5.43	53	249930	257.784	ug/l	99
16) Acetone	4.17	43	218381	212.743	ug/l	93
17) Carbon Disulfide	4.40	76	707213	48.741	ug/l	99
18) Methyl Acetate	4.73	43	115722	50.125	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	485297	53.773	ug/l	100
20) Methylene Chloride	4.96	84	248706	54.874	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	250221	50.859	ug/l	98
22) Diisopropyl ether	6.37	45	733134	54.112	ug/l	99
23) Vinyl Acetate	6.31	43	2052429	274.788	ug/l	100
24) 1,1-Dichloroethane	6.27	63	421902	50.205	ug/l	99
25) 2-Butanone	7.23	43	306467	235.971	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343037	47.048	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	270120	51.832	ug/l	99
28) Bromochloromethane	7.55	49	167334	53.673	ug/l	97
29) Tetrahydrofuran	7.57	42	200569	263.571	ug/l	99
30) Chloroform	7.71	83	428532	50.616	ug/l	99
31) Cyclohexane	7.99	56	383301	46.423	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	367308	48.490	ug/l	99
36) 1,1-Dichloropropene	8.11	75	328595	47.596	ug/l	100
37) Ethyl Acetate	7.30	43	142955	49.532	ug/l	99
38) Carbon Tetrachloride	8.10	117	334528	47.599	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	402225	49.557	ug/l	98
40) Benzene	8.36	78	983054	50.447	ug/l	99
41) Methacrylonitrile	7.53	41	64128	38.482	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	266767	49.796	ug/l	99
43) Isopropyl Acetate	8.46	43	266546	50.787	ug/l	99
44) Trichloroethene	9.12	130	258779	47.908	ug/l	98
45) 1,2-Dichloropropane	9.40	63	245677	50.702	ug/l	100
46) Dibromomethane	9.48	93	125505	50.341	ug/l	98
47) Bromodichloromethane	9.67	83	329821	50.199	ug/l	100
48) Methyl methacrylate	9.46	41	127017	52.358	ug/l	94
49) 1,4-Dioxane	9.47	88	29049	993.451	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	692588	259.817	ug/l	100
52) Toluene	10.41	92	621781	51.549	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	314335	51.615	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	378614	51.484	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	175393	49.983	ug/l	97
56) Ethyl methacrylate	10.67	69	216486	53.450	ug/l	98
57) 1,3-Dichloropropane	10.96	76	305841	51.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	305567	239.299	ug/l	100
59) 2-Hexanone	10.99	43	471450	247.065	ug/l	98
60) Dibromochloromethane	11.14	129	225582	50.226	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165130	49.701	ug/l	100
64) Tetrachloroethene	10.88	164	221757	47.675	ug/l	96
65) Chlorobenzene	11.68	112	646493	49.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	242006	49.275	ug/l	99
67) Ethyl Benzene	11.75	91	1161192	50.377	ug/l	99
68) m/p-Xylenes	11.86	106	886919	100.572	ug/l	99
69) o-Xylene	12.19	106	399208	51.096	ug/l	99
70) Styrene	12.20	104	720686	51.954	ug/l	99
71) Bromoform	12.37	173	131563	48.275	ug/l #	100
73) Isopropylbenzene	12.48	105	1069505	50.674	ug/l	99
74) N-amyl acetate	12.30	43	239956	51.166	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183802	48.253	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	127683m	47.074	ug/l	
77) Bromobenzene	12.77	156	259002	49.419	ug/l	99
78) n-propylbenzene	12.83	91	1272405	50.167	ug/l	99
79) 2-Chlorotoluene	12.91	91	718628	50.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	885067	50.915	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60359	48.048	ug/l	98
82) 4-Chlorotoluene	13.01	91	749016	49.655	ug/l	100
83) tert-Butylbenzene	13.23	119	734542	50.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	883764	50.793	ug/l	99
85) sec-Butylbenzene	13.41	105	1036852	49.389	ug/l	100
86) p-Isopropyltoluene	13.53	119	963660	50.194	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	493103	48.669	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	489393	48.941	ug/l	99
89) n-Butylbenzene	13.86	91	875627	49.495	ug/l	99
90) Hexachloroethane	14.12	117	190411	48.846	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	429066	49.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27723	47.228	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	282061	49.567	ug/l	99
94) Hexachlorobutadiene	15.28	225	167566	45.904	ug/l	99
95) Naphthalene	15.41	128	485773	52.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	250238	50.351	ug/l	99

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

