

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065991.D
 Acq On : 21 Jul 2020 20:18
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:36 PM

Quant Time: Jul 22 02:22:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	347858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	522365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	494050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	252099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	161152	56.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.86%	
35) Dibromofluoromethane	7.92	113	164569	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.34	98	622192	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.64	95	220191	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	119057	45.099	ug/l	96
3) Chloromethane	2.21	50	109581	50.865	ug/l	99
4) Vinyl Chloride	2.35	62	105612	51.479	ug/l	96
5) Bromomethane	2.77	94	77986	54.503	ug/l	96
6) Chloroethane	2.92	64	66517	54.314	ug/l	95
7) Trichlorofluoromethane	3.27	101	247805	49.659	ug/l	98
8) Diethyl Ether	3.71	74	80026	58.019	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	150026	49.792	ug/l	100
10) Methyl Iodide	4.30	142	168617	54.447	ug/l	99
11) Tert butyl alcohol	5.22	59	47750	270.354	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	144776	50.337	ug/l	95
13) Acrolein	3.92	56	56585	237.279	ug/l	97
14) Allyl chloride	4.71	41	247795	55.116	ug/l	99
15) Acrylonitrile	5.42	53	175195	297.308	ug/l	99
16) Acetone	4.16	43	166005	289.747	ug/l	95
17) Carbon Disulfide	4.41	76	468312	50.198	ug/l	99
18) Methyl Acetate	4.71	43	75627	56.743	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	356387	60.309	ug/l	98
20) Methylene Chloride	4.96	84	194571	62.138	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	173030	53.230	ug/l	98
22) Diisopropyl ether	6.37	45	503891	58.994	ug/l	99
23) Vinyl Acetate	6.31	43	1482854	307.832	ug/l	98
24) 1,1-Dichloroethane	6.27	63	292867	56.589	ug/l	99
25) 2-Butanone	7.21	43	223357	293.801	ug/l	95
26) 2,2-Dichloropropane	7.21	77	239555	51.474	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	191010	55.499	ug/l	99
28) Bromochloromethane	7.55	49	123631	56.284	ug/l	98
29) Tetrahydrofuran	7.56	42	142238	303.237	ug/l	99
30) Chloroform	7.71	83	300896	55.582	ug/l	96
31) Cyclohexane	7.98	56	246664	48.446	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	264310	52.782	ug/l	100
36) 1,1-Dichloropropene	8.11	75	222879	49.994	ug/l	98
37) Ethyl Acetate	7.29	43	102520	60.215	ug/l	98
38) Carbon Tetrachloride	8.10	117	239435	49.498	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	275089	50.954	ug/l	97
40) Benzene	8.36	78	667057	53.483	ug/l	99
41) Methacrylonitrile	7.53	41	51439m	52.740	ug/l	
42) 1,2-Dichloroethane	8.43	62	192209	56.239	ug/l	100
43) Isopropyl Acetate	8.45	43	195125	58.678	ug/l	98
44) Trichloroethene	9.11	130	196122	51.963	ug/l	94
45) 1,2-Dichloropropane	9.39	63	166842	55.233	ug/l	100
46) Dibromomethane	9.48	93	91326	56.161	ug/l	97
47) Bromodichloromethane	9.66	83	236539	55.013	ug/l	95
48) Methyl methacrylate	9.46	41	92867	55.364	ug/l	92
49) 1,4-Dioxane	9.46	88	21522	1142.377	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	500119	298.490	ug/l	99
52) Toluene	10.41	92	441964	54.337	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	226193	56.467	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	274128	56.455	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	128861	55.874	ug/l	94
56) Ethyl methacrylate	10.66	69	162584	60.634	ug/l	97
57) 1,3-Dichloropropane	10.95	76	218345	57.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	356355	278.204	ug/l	98
59) 2-Hexanone	10.99	43	342880	295.307	ug/l	96
60) Dibromochloromethane	11.14	129	173791	55.889	ug/l	98
61) 1,2-Dibromoethane	11.25	107	126327	56.810	ug/l	98
64) Tetrachloroethene	10.88	164	172296	51.381	ug/l	96
65) Chlorobenzene	11.67	112	467171	51.645	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	182066	54.509	ug/l	99
67) Ethyl Benzene	11.75	91	820040	52.678	ug/l	99
68) m/p-Xylenes	11.86	106	633051	105.802	ug/l	98
69) o-Xylene	12.18	106	298064	54.771	ug/l	98
70) Styrene	12.20	104	523617	56.000	ug/l	99
71) Bromoform	12.37	173	106687	54.530	ug/l #	98
73) Isopropylbenzene	12.48	105	794591	52.089	ug/l	99
74) N-amyl acetate	12.30	43	185607	58.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	135456	53.731	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	99826m	52.590	ug/l	
77) Bromobenzene	12.77	156	205340	52.672	ug/l	99
78) n-propylbenzene	12.83	91	923083	52.147	ug/l	100
79) 2-Chlorotoluene	12.91	91	532332	52.639	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	667405	53.253	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46242	55.901	ug/l	97
82) 4-Chlorotoluene	13.01	91	556968	52.179	ug/l	99
83) tert-Butylbenzene	13.23	119	579942	52.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	658532	53.260	ug/l	100
85) sec-Butylbenzene	13.41	105	783472	51.866	ug/l	99
86) p-Isopropyltoluene	13.52	119	727230	52.991	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	381565	52.717	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	379749	51.899	ug/l	98
89) n-Butylbenzene	13.85	91	667665	52.322	ug/l	100
90) Hexachloroethane	14.12	117	142213	50.058	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	334139	53.275	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23308	56.413	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	247381	54.949	ug/l	100
94) Hexachlorobutadiene	15.28	225	143692	51.627	ug/l	99
95) Naphthalene	15.41	128	432210	53.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	214073	54.697	ug/l	98

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

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