

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031621\
 Data File : VD068630.D
 Acq On : 16 Mar 2021 14:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 11:47:43 AM

Quant Time: Mar 17 01:05:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	250730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	418450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	390990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	218799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	115518	46.11	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.22%		
35) Dibromofluoromethane	7.914	113	123294	48.91	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.82%		
50) Toluene-d8	10.344	98	472632	47.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.14%		
62) 4-Bromofluorobenzene	12.632	95	163511	50.53	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.06%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	105476	43.35	ug/l	94
3) Chloromethane	2.209	50	133512	43.42	ug/l	95
4) Vinyl Chloride	2.350	62	167621	45.91	ug/l	99
5) Bromomethane	2.768	94	112959	43.45	ug/l	91
6) Chloroethane	2.920	64	111329	47.15	ug/l	99
7) Trichlorofluoromethane	3.273	101	204826	49.18	ug/l	97
8) Diethyl Ether	3.709	74	59346	47.86	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	126356	49.79	ug/l	94
10) Methyl Iodide	4.303	142	135220	44.85	ug/l	96
11) Tert butyl alcohol	5.220	59	34002	254.21	ug/l	99
12) 1,1-Dichloroethene	4.067	96	122562	48.67	ug/l	99
13) Acrolein	3.920	56	45472	237.87	ug/l	96
14) Allyl chloride	4.715	41	146219	44.98	ug/l	95
15) Acrylonitrile	5.426	53	130436	249.21	ug/l	98
16) Acetone	4.156	43	97522	245.08	ug/l	97
17) Carbon Disulfide	4.409	76	352679	42.75	ug/l	99
18) Methyl Acetate	4.715	43	53808	52.46	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	275477	50.46	ug/l	96
20) Methylene Chloride	4.967	84	151763	51.09	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	141151	46.95	ug/l	97
22) Diisopropyl ether	6.361	45	342120	47.79	ug/l	96
23) Vinyl Acetate	6.303	43	911848	245.48	ug/l	97
24) 1,1-Dichloroethane	6.267	63	235014	47.89	ug/l	98
25) 2-Butanone	7.208	43	138705	242.49	ug/l	99
26) 2,2-Dichloropropane	7.203	77	203151	49.69	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	161815	49.03	ug/l	99
28) Bromochloromethane	7.544	49	94458	49.31	ug/l	82
29) Tetrahydrofuran	7.561	42	87637	235.95	ug/l	98
30) Chloroform	7.708	83	249019	48.05	ug/l	94
31) Cyclohexane	7.985	56	196736	43.18	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	216007	48.83	ug/l	96
36) 1,1-Dichloropropene	8.114	75	190596	47.92	ug/l	97
37) Ethyl Acetate	7.297	43	64886	49.17	ug/l	96
38) Carbon Tetrachloride	8.091	117	190449	50.96	ug/l	89
39) Methylcyclohexane	9.355	83	234394	47.78	ug/l	99
40) Benzene	8.350	78	554247	48.58	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	38517m	50.28	ug/l	
42) 1,2-Dichloroethane	8.420	62	149551	49.85	ug/l	98
43) Isopropyl Acetate	8.450	43	124713	51.42	ug/l	98
44) Trichloroethene	9.114	130	151903	48.50	ug/l	97
45) 1,2-Dichloropropane	9.385	63	137626	50.46	ug/l	96
46) Dibromomethane	9.479	93	76463	51.53	ug/l	92
47) Bromodichloromethane	9.661	83	197971	51.58	ug/l	96
48) Methyl methacrylate	9.455	41	59532	46.05	ug/l #	84
49) 1,4-Dioxane	9.467	88	17571	1038.33	ug/l	95
51) 4-Methyl-2-Pentanone	10.232	43	328072	258.48	ug/l	98
52) Toluene	10.402	92	366634	50.32	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	183771	51.80	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	213571	49.34	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	107001	52.11	ug/l	95
56) Ethyl methacrylate	10.661	69	122314	51.82	ug/l	98
57) 1,3-Dichloropropane	10.944	76	182238	50.84	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	310820	262.48	ug/l	93
59) 2-Hexanone	10.985	43	221078	261.32	ug/l	99
60) Dibromochloromethane	11.138	129	130692	51.41	ug/l	99
61) 1,2-Dibromoethane	11.244	107	102848	51.18	ug/l	100
64) Tetrachloroethene	10.879	164	125091	48.99	ug/l	92
65) Chlorobenzene	11.673	112	389997	48.98	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	141181	51.01	ug/l	98
67) Ethyl Benzene	11.744	91	700699	49.30	ug/l	99
68) m/p-Xylenes	11.855	106	538824	99.82	ug/l	100
69) o-Xylene	12.179	106	251355	50.56	ug/l	98
70) Styrene	12.191	104	441171	51.89	ug/l	99
71) Bromoform	12.361	173	76296	54.26	ug/l #	98
73) Isopropylbenzene	12.479	105	691992	42.64	ug/l	100
74) N-amyl acetate	12.285	43	122049	44.15	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	119840	42.92	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	85974m	44.26	ug/l	
77) Bromobenzene	12.761	156	162462	43.87	ug/l	91
78) n-propylbenzene	12.820	91	878059	45.28	ug/l	98
79) 2-Chlorotoluene	12.908	91	488016	45.34	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	617819	46.45	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	38669	46.46	ug/l	94
82) 4-Chlorotoluene	13.002	91	521005	46.01	ug/l	99
83) tert-Butylbenzene	13.220	119	507443	44.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	607650	45.62	ug/l	98
85) sec-Butylbenzene	13.396	105	746604	46.67	ug/l	98
86) p-Isopropyltoluene	13.514	119	670945	46.21	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	323932	45.29	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	342482	48.33	ug/l	99
89) n-Butylbenzene	13.838	91	686529	49.01	ug/l	99
90) Hexachloroethane	14.108	117	135082	46.81	ug/l	91
91) 1,2-Dichlorobenzene	13.885	146	307975	50.20	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	19718	40.07	ug/l	93
93) 1,2,4-Trichlorobenzene	15.161	180	200328	42.28	ug/l	98
94) Hexachlorobutadiene	15.261	225	114490	43.53	ug/l	99
95) Naphthalene	15.396	128	386748	45.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	182246	44.43	ug/l	99

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

