

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070015.D
 Acq On : 10 Aug 2021 00:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:08:36 PM

Quant Time: Aug 10 07:09:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	555068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1090618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1056881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	485147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	342801	53.699	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.400%			
35) Dibromofluoromethane	7.914	113	342908	49.876	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.760%			
50) Toluene-d8	10.338	98	1300127	49.042	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.626	95	463271	52.288	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	235214	40.260	ug/l	99
3) Chloromethane	2.209	50	370443	43.710	ug/l	99
4) Vinyl Chloride	2.344	62	400763	44.959	ug/l	95
5) Bromomethane	2.756	94	274288	52.244	ug/l	99
6) Chloroethane	2.915	64	279458	48.369	ug/l	97
7) Trichlorofluoromethane	3.267	101	504599	45.855	ug/l	98
8) Diethyl Ether	3.709	74	184076	59.470	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	331549	47.440	ug/l	98
10) Methyl Iodide	4.297	142	312706	45.643	ug/l	98
11) Tert butyl alcohol	5.226	59	95116	287.946	ug/l	98
12) 1,1-Dichloroethene	4.067	96	319891	50.371	ug/l	94
13) Acrolein	3.926	56	98809	213.686	ug/l	100
14) Allyl chloride	4.714	41	502876	54.008	ug/l	99
15) Acrylonitrile	5.420	53	416163	285.814	ug/l	100
16) Acetone	4.156	43	287621	249.410	ug/l	99
17) Carbon Disulfide	4.409	76	1014385	44.672	ug/l	99
18) Methyl Acetate	4.720	43	195704	58.488	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	817723	62.145	ug/l	99
20) Methylene Chloride	4.962	84	519447	63.954	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	384479	51.378	ug/l	99
22) Diisopropyl ether	6.361	45	1198816	59.250	ug/l	97
23) Vinyl Acetate	6.303	43	2990903	267.199	ug/l	97
24) 1,1-Dichloroethane	6.261	63	747322	53.476	ug/l	98
25) 2-Butanone	7.208	43	459297	293.689	ug/l	98
26) 2,2-Dichloropropane	7.208	77	536736	50.509	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	457698	57.318	ug/l	95
28) Bromochloromethane	7.544	49	291813	54.998	ug/l	98
29) Tetrahydrofuran	7.561	42	309325	305.722	ug/l	98
30) Chloroform	7.708	83	713253	50.763	ug/l	89
31) Cyclohexane	7.985	56	542713	43.510	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	611359	52.567	ug/l	99
36) 1,1-Dichloropropene	8.108	75	511171	43.432	ug/l	98
37) Ethyl Acetate	7.291	43	224843	52.476	ug/l	99
38) Carbon Tetrachloride	8.097	117	450518	41.906	ug/l	99
39) Methylcyclohexane	9.350	83	573450	42.543	ug/l	98
40) Benzene	8.350	78	1663622	48.790	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	116874m	51.978	ug/l	
42) 1,2-Dichloroethane	8.420	62	441052	48.911	ug/l	98
43) Isopropyl Acetate	8.450	43	441214	57.416	ug/l	97
44) Trichloroethene	9.108	130	405327	48.270	ug/l	97
45) 1,2-Dichloropropane	9.385	63	422351	47.157	ug/l	99
46) Dibromomethane	9.473	93	220702	50.131	ug/l	97
47) Bromodichloromethane	9.655	83	577708	50.507	ug/l	98
48) Methyl methacrylate	9.450	41	208790	50.973	ug/l	96
49) 1,4-Dioxane	9.455	88	52416	1126.916	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	1140617	285.238	ug/l	99
52) Toluene	10.397	92	1049027	50.717	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	496652	51.729	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	592552	50.978	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	297270	47.806	ug/l	95
56) Ethyl methacrylate	10.655	69	400261	51.901	ug/l	95
57) 1,3-Dichloropropane	10.938	76	551963	52.458	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	942819	276.407	ug/l	100
59) 2-Hexanone	10.979	43	761053	287.727	ug/l	100
60) Dibromochloromethane	11.132	129	365082	51.841	ug/l	99
61) 1,2-Dibromoethane	11.238	107	294200	52.549	ug/l	98
64) Tetrachloroethene	10.873	164	312046	46.318	ug/l	97
65) Chlorobenzene	11.667	112	1102468	50.349	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	390584	49.586	ug/l	98
67) Ethyl Benzene	11.738	91	1961119	50.872	ug/l	99
68) m/p-Xylenes	11.849	106	1528863	102.305	ug/l	99
69) o-Xylene	12.173	106	708902	52.179	ug/l	99
70) Styrene	12.185	104	1270219	53.950	ug/l	98
71) Bromoform	12.355	173	198426	51.871	ug/l	100
73) Isopropylbenzene	12.473	105	1840331	52.794	ug/l	100
74) N-amyl acetate	12.279	43	401908	56.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	357941	51.418	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	241179m	46.770	ug/l	
77) Bromobenzene	12.749	156	407590	51.916	ug/l	97
78) n-propylbenzene	12.814	91	2300329	51.380	ug/l	100
79) 2-Chlorotoluene	12.896	91	1341732	51.594	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1608105	53.929	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	91761	53.983	ug/l	98
82) 4-Chlorotoluene	12.996	91	1392227	51.208	ug/l	98
83) tert-Butylbenzene	13.214	119	1297559	53.521	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1567465	53.284	ug/l	98
85) sec-Butylbenzene	13.390	105	1973880	51.501	ug/l	100
86) p-Isopropyltoluene	13.502	119	1616696	51.921	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	822488	49.899	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	816988	49.728	ug/l	100
89) n-Butylbenzene	13.832	91	1554414	50.584	ug/l	99
90) Hexachloroethane	14.102	117	327305	49.623	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	723299	50.841	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	52173	52.047	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	412290	53.713	ug/l	98
94) Hexachlorobutadiene	15.255	225	229528	48.884	ug/l	100
95) Naphthalene	15.384	128	804675	50.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	366579	55.224	ug/l	99

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

