

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070413.D
 Acq On : 21 Sep 2021 19:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/23/2021 11:04:04 AM

Quant Time: Sep 22 01:49:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	355203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	638341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	625487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	210858	46.232	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.460%		
35) Dibromofluoromethane	7.909	113	218863	48.167	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.340%		
50) Toluene-d8	10.332	98	826216	50.082	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.160%		
62) 4-Bromofluorobenzene	12.620	95	280976	48.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.460%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	153604	42.599	ug/l	99
3) Chloromethane	2.209	50	237147	49.296	ug/l	100
4) Vinyl Chloride	2.344	62	249067	44.566	ug/l	98
5) Bromomethane	2.756	94	165337	48.572	ug/l	99
6) Chloroethane	2.915	64	168421	49.764	ug/l	97
7) Trichlorofluoromethane	3.268	101	325734	44.066	ug/l	96
8) Diethyl Ether	3.709	74	96721	47.333	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	205117	44.672	ug/l	98
10) Methyl Iodide	4.291	142	201882	46.012	ug/l	98
11) Tert butyl alcohol	5.209	59	61313	118.895	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	183802	44.447	ug/l	97
13) Acrolein	3.921	56	45097	198.902	ug/l	96
14) Allyl chloride	4.715	41	270551	44.522	ug/l	97
15) Acrylonitrile	5.415	53	233505	239.833	ug/l	98
16) Acetone	4.156	43	163914	201.300	ug/l	96
17) Carbon Disulfide	4.409	76	656598	43.034	ug/l	98
18) Methyl Acetate	4.715	43	111534	49.906	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	440604	49.303	ug/l	98
20) Methylene Chloride	4.962	84	309000	62.753	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	239295	48.611	ug/l	94
22) Diisopropyl ether	6.362	45	652805	50.191	ug/l	99
23) Vinyl Acetate	6.303	43	1470170	243.994	ug/l	98
24) 1,1-Dichloroethane	6.262	63	433027	47.054	ug/l	98
25) 2-Butanone	7.209	43	252257	232.724	ug/l	95
26) 2,2-Dichloropropane	7.203	77	324493	43.623	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	256616	48.528	ug/l	98
28) Bromochloromethane	7.544	49	186963	51.203	ug/l	93
29) Tetrahydrofuran	7.562	42	175825	252.689	ug/l	97
30) Chloroform	7.709	83	454120	48.133	ug/l	98
31) Cyclohexane	7.985	56	329048	41.882	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	369838	46.573	ug/l	98
36) 1,1-Dichloropropene	8.109	75	325447	47.698	ug/l	98
37) Ethyl Acetate	7.285	43	130956	51.327	ug/l	96
38) Carbon Tetrachloride	8.091	117	314699	46.636	ug/l	98
39) Methylcyclohexane	9.350	83	334484	43.882	ug/l	96
40) Benzene	8.350	78	1000334	50.029	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	64380	47.960	ug/l	96
42) 1,2-Dichloroethane	8.420	62	262641	49.043	ug/l	99
43) Isopropyl Acetate	8.450	43	224125	47.509	ug/l	98
44) Trichloroethene	9.108	130	230252	48.183	ug/l	87
45) 1,2-Dichloropropane	9.385	63	260339	49.627	ug/l	96
46) Dibromomethane	9.473	93	133580	49.449	ug/l	99
47) Bromodichloromethane	9.656	83	339177	49.216	ug/l	99
48) Methyl methacrylate	9.450	41	102973	47.276	ug/l #	93
49) 1,4-Dioxane	9.461	88	29761	1099.944	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	624186	255.697	ug/l	99
52) Toluene	10.397	92	622130	51.494	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	286047	48.252	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	339494	47.056	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	188483	50.719	ug/l	96
56) Ethyl methacrylate	10.655	69	213260	52.568	ug/l	96
57) 1,3-Dichloropropane	10.938	76	317964	50.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	530087	271.102	ug/l	99
59) 2-Hexanone	10.979	43	427953	262.757	ug/l	99
60) Dibromochloromethane	11.132	129	220766	51.046	ug/l	98
61) 1,2-Dibromoethane	11.238	107	175044	51.217	ug/l	98
64) Tetrachloroethene	10.867	164	190338	49.981	ug/l	97
65) Chlorobenzene	11.661	112	635903	49.075	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	237257	49.993	ug/l	99
67) Ethyl Benzene	11.738	91	1150435	51.480	ug/l	99
68) m/p-Xylenes	11.850	106	913096	105.794	ug/l	98
69) o-Xylene	12.173	106	416986	53.929	ug/l	99
70) Styrene	12.185	104	740402	54.815	ug/l	98
71) Bromoform	12.350	173	119704	51.034	ug/l #	97
73) Isopropylbenzene	12.473	105	1061912	50.616	ug/l	100
74) N-amyl acetate	12.279	43	218931	47.894	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	217948	48.504	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	137681m	45.499	ug/l	
77) Bromobenzene	12.749	156	239727	49.528	ug/l	98
78) n-propylbenzene	12.808	91	1378873	50.639	ug/l	100
79) 2-Chlorotoluene	12.897	91	803951	50.653	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	944697	52.175	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	54175	44.858	ug/l	95
82) 4-Chlorotoluene	12.997	91	840576	50.202	ug/l	99
83) tert-Butylbenzene	13.214	119	747962	51.507	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	947993	53.168	ug/l	98
85) sec-Butylbenzene	13.391	105	1155424	50.056	ug/l	99
86) p-Isopropyltoluene	13.502	119	971692	52.393	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	501922	49.808	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	495191	48.957	ug/l	100
89) n-Butylbenzene	13.832	91	910604	49.246	ug/l	99
90) Hexachloroethane	14.096	117	196759	46.345	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	439336	49.412	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	32428	48.188	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	237915	49.551	ug/l	99
94) Hexachlorobutadiene	15.249	225	135554	46.027	ug/l	99
95) Naphthalene	15.385	128	462705	53.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	210127	49.602	ug/l	100

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

