

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070622\
 Data File : VD073793.D
 Acq On : 06 Jul 2022 15:47
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 04:57:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 07 04:53:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	116225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	222873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	207734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	98657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	120643	103.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 206.000%#			
35) Dibromofluoromethane	7.908	113	119224	97.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.500%#			
50) Toluene-d8	10.332	98	384334	86.252	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 172.500%#			
62) 4-Bromofluorobenzene	12.620	95	165161	93.313	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 186.620%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	59954	83.385	ug/l	96
3) Chloromethane	2.209	50	78816	94.138	ug/l	99
4) Vinyl Chloride	2.344	62	104656	110.178	ug/l	98
5) Bromomethane	2.744	94	70957	104.744	ug/l	94
6) Chloroethane	2.903	64	81197	115.906	ug/l	98
7) Trichlorofluoromethane	3.256	101	163991	96.850	ug/l	95
8) Diethyl Ether	3.703	74	55581	98.292	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.085	101	102202	92.098	ug/l	99
10) Methyl Iodide	4.291	142	76302	97.745	ug/l	99
11) Tert butyl alcohol	5.226	59	86045	295.386	ug/l #	85
12) 1,1-Dichloroethene	4.056	96	82586	86.992	ug/l	93
13) Acrolein	3.920	56	57488	1333.551	ug/l	99
14) Allyl chloride	4.703	41	164614	99.435	ug/l	99
15) Acrylonitrile	5.409	53	168382	540.052	ug/l	99
16) Acetone	4.156	43	125388	516.867	ug/l #	89
17) Carbon Disulfide	4.403	76	119211	79.836	ug/l	98
18) Methyl Acetate	4.714	43	73128	77.865	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	334474	106.387	ug/l	96
20) Methylene Chloride	4.956	84	122788	79.125	ug/l	93
21) trans-1,2-Dichloroethene	5.461	96	97608	90.673	ug/l	91
22) Diisopropyl ether	6.361	45	453818	107.946	ug/l	95
23) Vinyl Acetate	6.297	43	1303877	606.702	ug/l	98
24) 1,1-Dichloroethane	6.256	63	239415	101.918	ug/l	98
25) 2-Butanone	7.208	43	215728	533.625	ug/l	95
26) 2,2-Dichloropropane	7.203	77	218686	101.912	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	144123	98.250	ug/l	98
28) Bromochloromethane	7.538	49	97530	108.542	ug/l	100
29) Tetrahydrofuran	7.556	42	133303	528.309	ug/l	98
30) Chloroform	7.703	83	272276	108.482	ug/l	96
31) Cyclohexane	7.979	56	142515	78.837	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	225384	103.116	ug/l	99
36) 1,1-Dichloropropene	8.108	75	154153	91.375	ug/l	99
37) Ethyl Acetate	7.285	43	99073	108.894	ug/l	98
38) Carbon Tetrachloride	8.091	117	182443	99.516	ug/l	95
39) Methylcyclohexane	9.350	83	156190	82.524	ug/l	97
40) Benzene	8.344	78	472242	94.160	ug/l	97

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41) Methacrylonitrile	7.514	41	54326	95.063	ug/l	97
42) 1,2-Dichloroethane	8.414	62	166603	107.428	ug/l	100
43) Isopropyl Acetate	8.444	43	206328	106.412	ug/l	99
44) Trichloroethene	9.102	130	122430	92.747	ug/l	93
45) 1,2-Dichloropropane	9.379	63	143180	99.517	ug/l	99
46) Dibromomethane	9.467	93	80622	105.905	ug/l	98
47) Bromodichloromethane	9.655	83	219812	106.601	ug/l	98
48) Methyl methacrylate	9.450	41	94055	108.483	ug/l	98
49) 1,4-Dioxane	9.450	88	22322	2176.850	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	548221	551.711	ug/l	100
52) Toluene	10.397	92	326452	97.562	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	208630	103.646	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	224617	99.199	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	116490	102.923	ug/l	93
56) Ethyl methacrylate	10.655	69	156421	104.647	ug/l	96
57) 1,3-Dichloropropane	10.938	76	198745	104.107	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	298324	498.945	ug/l	99
59) 2-Hexanone	10.973	43	370226	548.752	ug/l	99
60) Dibromochloromethane	11.132	129	146734	106.253	ug/l	99
61) 1,2-Dibromoethane	11.238	107	108489	104.296	ug/l	93
64) Tetrachloroethene	10.867	164	87982	83.009	ug/l	94
65) Chlorobenzene	11.661	112	371763	96.354	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	150109	102.823	ug/l	100
67) Ethyl Benzene	11.732	91	687532	97.420	ug/l	99
68) m/p-Xylenes	11.844	106	519508	193.174	ug/l	98
69) o-Xylene	12.173	106	253477	96.516	ug/l	97
70) Styrene	12.185	104	453030	100.144	ug/l	99
71) Bromoform	12.349	173	80839	104.985	ug/l #	97
73) Isopropylbenzene	12.467	105	706194	94.130	ug/l	100
74) N-amyl acetate	12.279	43	208487	101.220	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	149475	98.748	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	106756m	113.855	ug/l	
77) Bromobenzene	12.749	156	144886	94.357	ug/l	99
78) n-propylbenzene	12.808	91	869168	92.717	ug/l	100
79) 2-Chlorotoluene	12.896	91	497215	94.521	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	587353	93.924	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	46864	95.989	ug/l	97
82) 4-Chlorotoluene	12.991	91	528610	96.501	ug/l	99
83) tert-Butylbenzene	13.208	119	535185	96.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	585410	94.888	ug/l	100
85) sec-Butylbenzene	13.385	105	795389	93.317	ug/l	99
86) p-Isopropyltoluene	13.502	119	643933	94.268	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	307681	95.666	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	307915	96.053	ug/l	98
89) n-Butylbenzene	13.826	91	635219	92.165	ug/l	100
90) Hexachloroethane	14.096	117	128636	94.191	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	276922	96.820	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	25420	100.396	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	156017	92.691	ug/l	98
94) Hexachlorobutadiene	15.249	225	71747	86.328	ug/l	99
95) Naphthalene	15.379	128	367335	97.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	138803	94.254	ug/l	98

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

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