

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
 Data File : VD073493.D
 Acq On : 07 Jun 2022 11:30
 Operator : VA/SY
 Sample : VD0607SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 07 16:33:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	303201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	510182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	486062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	253525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	162620	48.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.060%		
35) Dibromofluoromethane	7.908	113	169919	50.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.940%		
50) Toluene-d8	10.332	98	611676	49.290	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.620	95	233316	53.573	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	55386	18.281	ug/l	97
3) Chloromethane	2.209	50	55022	16.061	ug/l	97
4) Vinyl Chloride	2.350	62	54969	17.547	ug/l	95
5) Bromomethane	2.750	94	41457	18.066	ug/l	99
6) Chloroethane	2.909	64	35391	18.378	ug/l	90
7) Trichlorofluoromethane	3.262	101	108920	19.663	ug/l	92
8) Diethyl Ether	3.709	74	29394	19.312	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	66350	20.076	ug/l	96
10) Methyl Iodide	4.297	142	59153	16.589	ug/l	100
11) Tert butyl alcohol	5.179	59	51485	99.033	ug/l #	74
12) 1,1-Dichloroethene	4.056	96	56905	18.675	ug/l	85
13) Acrolein	3.914	56	14325	56.001	ug/l	98
14) Allyl chloride	4.709	41	84928	17.267	ug/l #	90
15) Acrylonitrile	5.414	53	68701	98.706	ug/l	99
16) Acetone	4.156	43	53783	92.667	ug/l	93
17) Carbon Disulfide	4.403	76	159857	15.826	ug/l	98
18) Methyl Acetate	4.714	43	34921	21.638	ug/l #	91
19) Methyl tert-butyl Ether	5.467	73	140222	20.200	ug/l	94
20) Methylene Chloride	4.956	84	80641	19.467	ug/l	83
21) trans-1,2-Dichloroethene	5.473	96	66448	18.036	ug/l	83
22) Diisopropyl ether	6.356	45	195653	18.976	ug/l	98
23) Vinyl Acetate	6.303	43	491482	89.365	ug/l #	91
24) 1,1-Dichloroethane	6.261	63	125121	18.906	ug/l	98
25) 2-Butanone	7.203	43	79423	93.534	ug/l	92
26) 2,2-Dichloropropane	7.197	77	112338	19.904	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	78099	19.158	ug/l	90
28) Bromochloromethane	7.538	49	37628	16.503	ug/l #	71
29) Tetrahydrofuran	7.555	42	53698	97.799	ug/l	93
30) Chloroform	7.703	83	136401	19.742	ug/l	97
31) Cyclohexane	7.979	56	100532	17.169	ug/l #	88
32) 1,1,1-Trichloroethane	7.897	97	121251	20.065	ug/l	95
36) 1,1-Dichloropropene	8.102	75	96699	19.098	ug/l	96
37) Ethyl Acetate	7.285	43	38935	19.468	ug/l #	98
38) Carbon Tetrachloride	8.091	117	106234	20.699	ug/l	98
39) Methylcyclohexane	9.350	83	104142	18.456	ug/l	94
40) Benzene	8.344	78	289569	19.844	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	22777	19.547	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	79135	19.490	ug/l	96
43) Isopropyl Acetate	8.444	43	72905	19.722	ug/l #	92
44) Trichloroethene	9.108	130	79208	20.355	ug/l	85
45) 1,2-Dichloropropane	9.379	63	72896	19.836	ug/l	98
46) Dibromomethane	9.467	93	39267	19.455	ug/l	91
47) Bromodichloromethane	9.655	83	102310	19.811	ug/l #	99
48) Methyl methacrylate	9.449	41	31875	17.139	ug/l #	79
49) 1,4-Dioxane	9.449	88	8489	407.282	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	190901	99.431	ug/l	91
52) Toluene	10.397	92	189140	20.512	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	94373	20.228	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	111336	19.942	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	57481	21.061	ug/l	97
56) Ethyl methacrylate	10.655	69	60611	19.974	ug/l #	82
57) 1,3-Dichloropropane	10.932	76	93141	20.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	139238	109.846	ug/l	93
59) 2-Hexanone	10.973	43	125370	99.045	ug/l	93
60) Dibromochloromethane	11.126	129	73605	21.628	ug/l	98
61) 1,2-Dibromoethane	11.232	107	53837	20.643	ug/l	99
64) Tetrachloroethene	10.867	164	66533	20.899	ug/l	98
65) Chlorobenzene	11.661	112	206740	20.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	77573	20.976	ug/l	98
67) Ethyl Benzene	11.732	91	344687	19.691	ug/l	99
68) m/p-Xylenes	11.843	106	278151	40.900	ug/l	99
69) o-Xylene	12.167	106	126816	20.299	ug/l	94
70) Styrene	12.185	104	225595	20.988	ug/l	97
71) Bromoform	12.349	173	42589	22.376	ug/l #	99
73) Isopropylbenzene	12.467	105	340127	18.819	ug/l	100
74) N-amyl acetate	12.273	43	71289	18.081	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	64478	19.343	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	44693m	17.967	ug/l	
77) Bromobenzene	12.749	156	82130	19.304	ug/l	91
78) n-propylbenzene	12.808	91	429504	18.929	ug/l	99
79) 2-Chlorotoluene	12.896	91	249308	19.030	ug/l	96
80) 1,3,5-Trimethylbenzene	12.943	105	299701	19.575	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	20377	19.666	ug/l	84
82) 4-Chlorotoluene	12.990	91	265852	19.360	ug/l	98
83) tert-Butylbenzene	13.208	119	242019	18.756	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	296605	19.610	ug/l	98
85) sec-Butylbenzene	13.385	105	372962	18.930	ug/l	98
86) p-Isopropyltoluene	13.502	119	314741	19.597	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	171655	20.017	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	167198	19.314	ug/l	98
89) n-Butylbenzene	13.826	91	289766	18.936	ug/l	98
90) Hexachloroethane	14.096	117	66364	19.970	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	150010	20.217	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	9533	18.675	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	83966	19.933	ug/l	98
94) Hexachlorobutadiene	15.249	225	47577	20.043	ug/l	98
95) Naphthalene	15.384	128	143594	19.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	75772	20.290	ug/l	99

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

