

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011923\
 Data File : VD075140.D
 Acq On : 19 Jan 2023 14:37
 Operator : KP/SY
 Sample : MDL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 01:15:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:08:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	83343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	154760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	138389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	58737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45295	53.260	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.520%			
35) Dibromofluoromethane	7.810	113	48431	51.789	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.580%			
50) Toluene-d8	10.269	98	193852	52.647	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.575	95	59380	50.813	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2251	3.101	ug/l	93
3) Chloromethane	2.146	50	3228	2.998	ug/l #	84
4) Vinyl Chloride	2.281	62	2844	2.462	ug/l	92
5) Bromomethane	2.699	94	2625	3.341	ug/l	98
6) Chloroethane	2.840	64	2104	2.627	ug/l	93
7) Trichlorofluoromethane	3.181	101	4149	2.826	ug/l	84
8) Diethyl Ether	3.599	74	1217	2.572	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.964	101	2742	3.025	ug/l #	77
10) Methyl Iodide	4.169	142	2388	1.957	ug/l #	88
11) Tert butyl alcohol	5.040	59	2117	35.682	ug/l #	89
12) 1,1-Dichloroethene	3.946	96	2380	2.494	ug/l #	84
13) Acrolein	3.805	56	732m	12.703	ug/l	
14) Allyl chloride	4.564	41	4199	2.711	ug/l	97
15) Acrylonitrile	5.258	53	3031	15.151	ug/l #	82
16) Acetone	4.022	43	2809	12.523	ug/l #	80
17) Carbon Disulfide	4.275	76	8837	2.855	ug/l	99
18) Methyl Acetate	4.569	43	1917	3.144	ug/l #	60
19) Methyl tert-butyl Ether	5.316	73	5611	2.815	ug/l	99
20) Methylene Chloride	4.811	84	7002	4.950	ug/l #	90
21) trans-1,2-Dichloroethene	5.316	96	3060	2.880	ug/l #	79
22) Diisopropyl ether	6.222	45	7519	2.608	ug/l #	97
23) Vinyl Acetate	6.163	43	14021	11.036	ug/l	95
24) 1,1-Dichloroethane	6.116	63	5198	2.869	ug/l #	89
25) 2-Butanone	7.081	43	4354	16.061	ug/l	94
26) 2,2-Dichloropropane	7.069	77	4759	2.947	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	3097	2.674	ug/l	91
28) Bromochloromethane	7.434	49	1345	2.719	ug/l #	92
29) Tetrahydrofuran	7.446	42	2072	13.400	ug/l	92
30) Chloroform	7.593	83	6896	3.817	ug/l	91
31) Cyclohexane	7.875	56	6614	3.878	ug/l #	78
32) 1,1,1-Trichloroethane	7.799	97	4361	2.802	ug/l	96
36) 1,1-Dichloropropene	8.010	75	3866	2.573	ug/l	93
37) Ethyl Acetate	7.169	43	1678	2.772	ug/l #	67
38) Carbon Tetrachloride	7.993	117	2585	2.043	ug/l	91
39) Methylcyclohexane	9.281	83	4797	2.591	ug/l	89
40) Benzene	8.252	78	11765	2.746	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1052m	2.888	ug/l	
42) 1,2-Dichloroethane	8.328	62	2920	2.594	ug/l	79
43) Isopropyl Acetate	8.369	43	2909	2.469	ug/l #	71
44) Trichloroethene	9.028	130	3274	2.717	ug/l	97
45) 1,2-Dichloropropane	9.304	63	2909	2.756	ug/l #	84
46) Dibromomethane	9.393	93	1155	2.075	ug/l #	86
47) Bromodichloromethane	9.587	83	3740	2.708	ug/l	98
48) Methyl methacrylate	9.387	41	1515	2.630	ug/l	95
49) 1,4-Dioxane	9.393	88	77	14.489	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	6741	11.917	ug/l	97
52) Toluene	10.340	92	7379	2.725	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	3236	2.477	ug/l #	88
54) cis-1,3-Dichloropropene	10.016	75	3760	2.356	ug/l #	92
55) 1,1,2-Trichloroethane	10.740	97	1777	2.412	ug/l	95
56) Ethyl methacrylate	10.604	69	1924	2.172	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	3317	2.620	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.869	63	3528	11.638	ug/l	89
59) 2-Hexanone	10.922	43	4834	11.819	ug/l	97
60) Dibromochloromethane	11.081	129	2091	2.355	ug/l	98
61) 1,2-Dibromoethane	11.175	107	1805	2.564	ug/l	86
64) Tetrachloroethene	10.810	164	2849	2.883	ug/l #	85
65) Chlorobenzene	11.610	112	7356	2.594	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.687	131	2403	2.519	ug/l	97
67) Ethyl Benzene	11.681	91	13401	2.625	ug/l	98
68) m/p-Xylenes	11.798	106	10201	5.173	ug/l	97
69) o-Xylene	12.122	106	4803	2.597	ug/l	98
70) Styrene	12.140	104	7173	2.333	ug/l	96
71) Bromoform	12.304	173	1042	2.116	ug/l #	87
73) Isopropylbenzene	12.422	105	12149	2.619	ug/l	96
74) N-amyl acetate	12.234	43	2485	2.445	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.681	83	2054	2.779	ug/l #	90
76) 1,2,3-Trichloropropane	12.728	75	1424m	2.863	ug/l	
77) Bromobenzene	12.704	156	3100	2.925	ug/l	92
78) n-propylbenzene	12.763	91	15270	2.678	ug/l	97
79) 2-Chlorotoluene	12.851	91	8376	2.671	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	9824	2.584	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	372m	1.735	ug/l	
82) 4-Chlorotoluene	12.951	91	9221	2.860	ug/l	97
83) tert-Butylbenzene	13.169	119	9130	2.776	ug/l	90
84) 1,2,4-Trimethylbenzene	13.216	105	9549	2.558	ug/l	98
85) sec-Butylbenzene	13.345	105	13489	2.700	ug/l	98
86) p-Isopropyltoluene	13.463	119	10446	2.554	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	6021	2.931	ug/l	94
88) 1,4-Dichlorobenzene	13.545	146	5555	2.748	ug/l	85
89) n-Butylbenzene	13.787	91	10861	2.725	ug/l	95
90) Hexachloroethane	14.051	117	1881	2.604	ug/l	75
91) 1,2-Dichlorobenzene	13.834	146	4729	2.691	ug/l	96
93) 1,2,4-Trichlorobenzene	15.104	180	2830	2.452	ug/l	95
94) Hexachlorobutadiene	15.204	225	1549	2.739	ug/l	90
95) Naphthalene	15.334	128	6165	2.683	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.528	180	2166	2.200	ug/l	97

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

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