

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091222\
 Data File : VD074255.D
 Acq On : 12 Sep 2022 14:21
 Operator : VA/SY
 Sample : MDL01 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL01 2.5PPB

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

Quant Time: Sep 13 04:58:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 04:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	110609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	183490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.569	117	165285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	79633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58628	51.990	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.980%			
35) Dibromofluoromethane	7.804	113	62894	47.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.280%			
50) Toluene-d8	10.263	98	239287	53.200	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.400%			
62) 4-Bromofluorobenzene	12.563	95	75815	40.711	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	2708	2.818	ug/l	97
3) Chloromethane	2.140	50	2578	3.118	ug/l	91
4) Vinyl Chloride	2.275	62	1895	2.690	ug/l #	78
5) Bromomethane	2.681	94	1602	4.319	ug/l #	81
6) Chloroethane	2.828	64	1310	3.123	ug/l	95
7) Trichlorofluoromethane	3.158	101	5702	2.910	ug/l	89
8) Diethyl Ether	3.587	74	1587	2.510	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.958	101	3759	2.981	ug/l	89
10) Methyl Iodide	4.163	142	2416	1.608	ug/l #	76
11) Tert butyl alcohol	5.063	59	1222	13.287	ug/l #	74
12) 1,1-Dichloroethene	3.922	96	3093	2.541	ug/l	95
13) Acrolein	3.793	56	1221	12.490	ug/l	99
14) Allyl chloride	4.546	41	5237	2.772	ug/l #	91
15) Acrylonitrile	5.252	53	3845	13.043	ug/l	99
16) Acetone	4.028	43	4187	17.988	ug/l	90
17) Carbon Disulfide	4.263	76	9068	2.583	ug/l #	87
18) Methyl Acetate	4.569	43	2643	3.394	ug/l #	82
19) Methyl tert-butyl Ether	5.322	73	7680	2.605	ug/l	99
20) Methylene Chloride	4.793	84	14731	8.180	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	3889	2.832	ug/l #	77
22) Diisopropyl ether	6.210	45	10536	2.628	ug/l #	96
23) Vinyl Acetate	6.152	43	18331m	9.684	ug/l	
24) 1,1-Dichloroethane	6.110	63	6409	2.588	ug/l #	88
25) 2-Butanone	7.081	43	6249	16.097	ug/l #	84
26) 2,2-Dichloropropane	7.069	77	5892	2.723	ug/l	86
27) cis-1,2-Dichloroethene	7.069	96	4373	2.787	ug/l	97
28) Bromochloromethane	7.416	49	2182	2.869	ug/l #	98
29) Tetrahydrofuran	7.446	42	3043	12.715	ug/l	96
30) Chloroform	7.587	83	6730	2.738	ug/l	92
31) Cyclohexane	7.869	56	8024	3.443	ug/l #	71
32) 1,1,1-Trichloroethane	7.781	97	5613	2.603	ug/l	97
36) 1,1-Dichloropropene	7.999	75	5197	2.617	ug/l	96
37) Ethyl Acetate	7.169	43	2374	2.756	ug/l #	67
38) Carbon Tetrachloride	7.987	117	4220	2.349	ug/l	99
39) Methylcyclohexane	9.269	83	6472	2.633	ug/l	92
40) Benzene	8.246	78	15159	2.758	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	1340	2.793	ug/l #	64
42) 1,2-Dichloroethane	8.322	62	3911	2.693	ug/l	79
43) Isopropyl Acetate	8.363	43	4194	2.521	ug/l #	74
44) Trichloroethene	9.022	130	3943	2.584	ug/l	100
45) 1,2-Dichloropropane	9.293	63	3711	2.598	ug/l #	81
46) Dibromomethane	9.393	93	1837	2.477	ug/l	91
47) Bromodichloromethane	9.575	83	4885	2.618	ug/l	97
48) Methyl methacrylate	9.375	41	1944	2.474	ug/l	88
49) 1,4-Dioxane	9.381	88	296	33.702	ug/l #	42
51) 4-Methyl-2-Pentanone	10.151	43	11162	13.275	ug/l	99
52) Toluene	10.328	92	9200	2.610	ug/l	98
53) t-1,3-Dichloropropene	10.545	75	3905	2.220	ug/l	98
54) cis-1,3-Dichloropropene	10.010	75	5078	2.343	ug/l	91
55) 1,1,2-Trichloroethane	10.734	97	2580	2.516	ug/l #	87
56) Ethyl methacrylate	10.587	69	3262	2.395	ug/l	96
57) 1,3-Dichloropropane	10.875	76	4980	2.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.863	63	3565	12.552	ug/l	100
59) 2-Hexanone	10.910	43	7478	13.097	ug/l	97
60) Dibromochloromethane	11.069	129	3209	2.570	ug/l	95
61) 1,2-Dibromoethane	11.169	107	2442	2.503	ug/l	92
64) Tetrachloroethene	10.804	164	3606	2.853	ug/l	97
65) Chlorobenzene	11.598	112	10181	2.740	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.675	131	3136	2.356	ug/l	88
67) Ethyl Benzene	11.675	91	18321	2.640	ug/l	96
68) m/p-Xylenes	11.787	106	13740	5.216	ug/l	99
69) o-Xylene	12.116	106	6499	2.610	ug/l	99
70) Styrene	12.122	104	10865	2.617	ug/l	97
71) Bromoform	12.287	173	1761	2.377	ug/l #	89
73) Isopropylbenzene	12.410	105	17590	2.611	ug/l	99
74) N-amyl acetate	12.222	43	4128	2.602	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.663	83	3113	2.538	ug/l	98
76) 1,2,3-Trichloropropane	12.710	75	2251m	2.757	ug/l	
77) Bromobenzene	12.687	156	3959	2.678	ug/l	96
78) n-propylbenzene	12.751	91	20657	2.500	ug/l	98
79) 2-Chlorotoluene	12.834	91	12158	2.720	ug/l	96
80) 1,3,5-Trimethylbenzene	12.892	105	14702	2.634	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.457	75	547m	1.652	ug/l	
82) 4-Chlorotoluene	12.934	91	11956	2.628	ug/l	96
83) tert-Butylbenzene	13.157	119	12137	2.484	ug/l	97
84) 1,2,4-Trimethylbenzene	13.198	105	14311	2.641	ug/l	99
85) sec-Butylbenzene	13.328	105	20220	2.732	ug/l	99
86) p-Isopropyltoluene	13.445	119	15491	2.563	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	8204	2.721	ug/l	93
88) 1,4-Dichlorobenzene	13.522	146	8390	2.829	ug/l	91
89) n-Butylbenzene	13.775	91	15811	2.677	ug/l	98
90) Hexachloroethane	14.039	117	2868	2.593	ug/l	99
91) 1,2-Dichlorobenzene	13.816	146	6892	2.628	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.422	75	332	1.926	ug/l	90
93) 1,2,4-Trichlorobenzene	15.086	180	4844	2.672	ug/l	94
94) Hexachlorobutadiene	15.186	225	2906	2.805	ug/l	95
95) Naphthalene	15.316	128	9564	2.824	ug/l	95
96) 1,2,3-Trichlorobenzene	15.504	180	4251	2.732	ug/l	96

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

