

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011923\
 Data File : VD075139.D
 Acq On : 19 Jan 2023 14:10
 Operator : KP/SY
 Sample : MDL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 01:08:24 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	7.875	168	85497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	157079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	138245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	61320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	46905	53.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.520%			
35) Dibromofluoromethane	7.805	113	48512	51.109	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.269	98	193034	51.651	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.300%			
62) 4-Bromofluorobenzene	12.575	95	59251	49.955	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2325	3.123	ug/l	96
3) Chloromethane	2.146	50	3596	3.256	ug/l	98
4) Vinyl Chloride	2.281	62	3135	2.645	ug/l	98
5) Bromomethane	2.693	94	2759	3.423	ug/l	98
6) Chloroethane	2.846	64	2256	2.746	ug/l #	88
7) Trichlorofluoromethane	3.175	101	4198	2.787	ug/l	98
8) Diethyl Ether	3.593	74	1232	2.538	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.970	101	2553	2.745	ug/l	94
10) Methyl Iodide	4.158	142	2333	1.864	ug/l #	72
11) Tert butyl alcohol	5.022	59	2320	38.118	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	2716	2.774	ug/l #	68
13) Acrolein	3.805	56	789	13.347	ug/l	98
14) Allyl chloride	4.558	41	4235	2.666	ug/l	100
15) Acrylonitrile	5.258	53	2624	12.786	ug/l	95
16) Acetone	4.022	43	3004	13.055	ug/l	92
17) Carbon Disulfide	4.281	76	8974	2.826	ug/l	100
18) Methyl Acetate	4.564	43	1987	3.177	ug/l #	83
19) Methyl tert-butyl Ether	5.322	73	5657	2.766	ug/l	93
20) Methylene Chloride	4.799	84	7329	5.051	ug/l #	90
21) trans-1,2-Dichloroethene	5.322	96	3197	2.934	ug/l #	73
22) Diisopropyl ether	6.216	45	7919	2.678	ug/l #	88
23) Vinyl Acetate	6.164	43	12424m	9.533	ug/l	
24) 1,1-Dichloroethane	6.122	63	5252	2.826	ug/l #	80
25) 2-Butanone	7.081	43	4329	15.566	ug/l	99
26) 2,2-Dichloropropane	7.075	77	4674	2.821	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	3394	2.857	ug/l	99
28) Bromochloromethane	7.434	49	1567	3.088	ug/l #	81
29) Tetrahydrofuran	7.452	42	2199	13.863	ug/l #	76
30) Chloroform	7.605	83	6966	3.759	ug/l	89
31) Cyclohexane	7.875	56	7102	4.059	ug/l #	80
32) 1,1,1-Trichloroethane	7.799	97	4416	2.766	ug/l	96
36) 1,1-Dichloropropene	8.005	75	3760	2.466	ug/l	92
37) Ethyl Acetate	7.169	43	1567	2.550	ug/l #	67
38) Carbon Tetrachloride	7.999	117	2714	2.114	ug/l #	78
39) Methylcyclohexane	9.281	83	5397	2.872	ug/l	95
40) Benzene	8.258	78	11634	2.675	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	958	2.591	ug/l #	41
42) 1,2-Dichloroethane	8.328	62	2901	2.539	ug/l	92
43) Isopropyl Acetate	8.358	43	3142	2.628	ug/l #	77
44) Trichloroethene	9.028	130	3206	2.621	ug/l	98
45) 1,2-Dichloropropane	9.305	63	2898	2.705	ug/l	93
46) Dibromomethane	9.393	93	1406	2.489	ug/l	90
47) Bromodichloromethane	9.581	83	3464	2.471	ug/l	97
48) Methyl methacrylate	9.393	41	1324	2.265	ug/l #	86
49) 1,4-Dioxane	9.387	88	76	14.090	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	7095	12.357	ug/l	96
52) Toluene	10.334	92	7440	2.707	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	2767	2.087	ug/l	91
54) cis-1,3-Dichloropropene	10.022	75	3819	2.357	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	1993	2.665	ug/l #	88
56) Ethyl methacrylate	10.593	69	2066	2.298	ug/l	92
57) 1,3-Dichloropropane	10.881	76	3420	2.662	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.875	63	6370	20.703	ug/l	95
59) 2-Hexanone	10.928	43	5261	12.673	ug/l	91
60) Dibromochloromethane	11.081	129	2167	2.404	ug/l	100
61) 1,2-Dibromoethane	11.181	107	1774	2.483	ug/l	96
64) Tetrachloroethene	10.810	164	2809	2.845	ug/l	93
65) Chlorobenzene	11.604	112	7228	2.552	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.687	131	2188	2.296	ug/l	93
67) Ethyl Benzene	11.687	91	13699	2.687	ug/l	93
68) m/p-Xylenes	11.799	106	10518	5.340	ug/l	97
69) o-Xylene	12.122	106	4853	2.626	ug/l	97
70) Styrene	12.140	104	7433	2.420	ug/l	98
71) Bromoform	12.299	173	1059	2.152	ug/l #	91
73) Isopropylbenzene	12.422	105	13188	2.723	ug/l	94
74) N-amyl acetate	12.234	43	2469	2.327	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	2092	2.711	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	1348m	2.596	ug/l	
77) Bromobenzene	12.704	156	2637	2.384	ug/l	83
78) n-propylbenzene	12.763	91	16091	2.703	ug/l	98
79) 2-Chlorotoluene	12.851	91	8701	2.658	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	10697	2.696	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.481	75	476m	2.126	ug/l	
82) 4-Chlorotoluene	12.951	91	9185	2.729	ug/l	100
83) tert-Butylbenzene	13.169	119	9677	2.818	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	9773	2.508	ug/l	97
85) sec-Butylbenzene	13.351	105	13901	2.665	ug/l	99
86) p-Isopropyltoluene	13.463	119	10567	2.474	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	5712	2.663	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	5968	2.828	ug/l	85
89) n-Butylbenzene	13.793	91	11017	2.648	ug/l	97
90) Hexachloroethane	14.051	117	1875	2.486	ug/l	78
91) 1,2-Dichlorobenzene	13.834	146	4948	2.697	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	139	1.178	ug/l #	61
93) 1,2,4-Trichlorobenzene	15.098	180	2892	2.400	ug/l	97
94) Hexachlorobutadiene	15.210	225	1389	2.352	ug/l	91
95) Naphthalene	15.334	128	6591	2.748	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.528	180	2421	2.355	ug/l	83

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

