

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011923\
 Data File : VD075141.D
 Acq On : 19 Jan 2023 15:04
 Operator : KP/SY
 Sample : MDL03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 01:22:39 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	82695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	156709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	138266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	58440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	46960	55.650	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.300%			
35) Dibromofluoromethane	7.811	113	47987	50.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%			
50) Toluene-d8	10.269	98	194312	52.116	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.575	95	59475	50.262	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2165	3.006	ug/l	95
3) Chloromethane	2.152	50	3490	3.267	ug/l	89
4) Vinyl Chloride	2.287	62	3189	2.782	ug/l	90
5) Bromomethane	2.693	94	2853	3.660	ug/l	93
6) Chloroethane	2.840	64	2163	2.722	ug/l	98
7) Trichlorofluoromethane	3.175	101	4202	2.884	ug/l	100
8) Diethyl Ether	3.593	74	1428	3.042	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	2506	2.786	ug/l	96
10) Methyl Iodide	4.170	142	2241	1.851	ug/l #	88
11) Tert butyl alcohol	5.034	59	2421m	41.125	ug/l	
12) 1,1-Dichloroethene	3.940	96	2539	2.681	ug/l	96
13) Acrolein	3.799	56	680	11.893	ug/l #	74
14) Allyl chloride	4.570	41	4276	2.783	ug/l	91
15) Acrylonitrile	5.264	53	2917	14.695	ug/l #	86
16) Acetone	4.028	43	3200	14.378	ug/l #	81
17) Carbon Disulfide	4.281	76	9057	2.949	ug/l #	90
18) Methyl Acetate	4.570	43	2124	3.511	ug/l #	75
19) Methyl tert-butyl Ether	5.328	73	6026	3.047	ug/l	100
20) Methylene Chloride	4.805	84	7177	5.114	ug/l #	91
21) trans-1,2-Dichloroethene	5.317	96	3076	2.918	ug/l #	72
22) Diisopropyl ether	6.211	45	8220	2.874	ug/l	91
23) Vinyl Acetate	6.164	43	14209	11.272	ug/l #	91
24) 1,1-Dichloroethane	6.122	63	5326	2.963	ug/l #	80
25) 2-Butanone	7.087	43	4141	15.395	ug/l	91
26) 2,2-Dichloropropane	7.075	77	5078	3.169	ug/l	84
27) cis-1,2-Dichloroethene	7.081	96	3312	2.882	ug/l	94
28) Bromochloromethane	7.428	49	1948	3.969	ug/l #	95
29) Tetrahydrofuran	7.452	42	1894	12.345	ug/l	93
30) Chloroform	7.599	83	7022	3.918	ug/l	96
31) Cyclohexane	7.881	56	6777	4.004	ug/l #	71
32) 1,1,1-Trichloroethane	7.799	97	4235	2.742	ug/l	96
36) 1,1-Dichloropropene	8.016	75	4045	2.659	ug/l	98
37) Ethyl Acetate	7.169	43	1612	2.630	ug/l #	67
38) Carbon Tetrachloride	7.987	117	2531	1.976	ug/l #	76
39) Methylcyclohexane	9.275	83	4810	2.565	ug/l	99
40) Benzene	8.252	78	11586	2.670	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.411	41	953	2.584	ug/l #	71
42) 1,2-Dichloroethane	8.328	62	2945	2.584	ug/l	87
43) Isopropyl Acetate	8.363	43	3236	2.713	ug/l #	88
44) Trichloroethene	9.028	130	3196	2.619	ug/l	65
45) 1,2-Dichloropropane	9.305	63	2997	2.804	ug/l	97
46) Dibromomethane	9.393	93	1735	3.078	ug/l	83
47) Bromodichloromethane	9.593	83	3815	2.728	ug/l #	89
48) Methyl methacrylate	9.381	41	1506	2.582	ug/l	99
51) 4-Methyl-2-Pentanone	10.163	43	7577	13.228	ug/l	94
52) Toluene	10.340	92	7062	2.576	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	3176	2.401	ug/l #	71
54) cis-1,3-Dichloropropene	10.016	75	4109	2.542	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	1955	2.621	ug/l #	71
56) Ethyl methacrylate	10.605	69	2267	2.527	ug/l	94
57) 1,3-Dichloropropane	10.881	76	3511	2.739	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.875	63	3539	11.529	ug/l	94
59) 2-Hexanone	10.922	43	5200	12.555	ug/l	94
60) Dibromochloromethane	11.081	129	2314	2.574	ug/l	97
61) 1,2-Dibromoethane	11.181	107	1920	2.694	ug/l	98
64) Tetrachloroethene	10.810	164	2683	2.717	ug/l #	91
65) Chlorobenzene	11.610	112	7880	2.781	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	2497	2.620	ug/l	95
67) Ethyl Benzene	11.687	91	13146	2.578	ug/l	95
68) m/p-Xylenes	11.793	106	10220	5.188	ug/l	96
69) o-Xylene	12.122	106	4706	2.547	ug/l	96
70) Styrene	12.134	104	7469	2.431	ug/l	99
71) Bromoform	12.310	173	1020	2.073	ug/l #	87
73) Isopropylbenzene	12.422	105	11973	2.594	ug/l	99
74) N-amyl acetate	12.234	43	2540	2.512	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	2308	3.138	ug/l	90
76) 1,2,3-Trichloropropane	12.728	75	1276m	2.578	ug/l	
77) Bromobenzene	12.704	156	2738	2.597	ug/l	89
78) n-propylbenzene	12.763	91	15374	2.710	ug/l	95
79) 2-Chlorotoluene	12.857	91	8556	2.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	9774	2.584	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.481	75	516m	2.418	ug/l	
82) 4-Chlorotoluene	12.951	91	8614	2.685	ug/l	97
83) tert-Butylbenzene	13.169	119	8411	2.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	9833	2.647	ug/l	98
85) sec-Butylbenzene	13.351	105	12663	2.547	ug/l	98
86) p-Isopropyltoluene	13.463	119	10260	2.521	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	5530	2.706	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	5622	2.796	ug/l	87
89) n-Butylbenzene	13.793	91	11051	2.787	ug/l	91
90) Hexachloroethane	14.063	117	1726	2.402	ug/l	83
91) 1,2-Dichlorobenzene	13.840	146	4613	2.638	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	195	1.734	ug/l	67
93) 1,2,4-Trichlorobenzene	15.104	180	2777	2.419	ug/l	97
94) Hexachlorobutadiene	15.204	225	1486	2.641	ug/l	91
95) Naphthalene	15.340	128	6415	2.806	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	2579	2.632	ug/l	90

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

