

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032124\
 Data File : VD078726.D
 Acq On : 21 Mar 2024 13:19
 Operator : RP/MD
 Sample : MDL07
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Quant Time: Mar 22 12:01:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 12:01:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	109399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	194185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	179201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81842	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	54986	53.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.260%	
35) Dibromofluoromethane	7.811	113	63497	50.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.580%	
50) Toluene-d8	10.269	98	241602	52.544	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.575	95	64308	47.806	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.620%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.934	85	2404	2.361	ug/l	91
3) Chloromethane	2.152	50	3676	2.287	ug/l	91
4) Vinyl Chloride	2.293	62	5500	2.319	ug/l	94
5) Bromomethane	2.705	94	5317	2.342	ug/l	97
6) Chloroethane	2.846	64	4307	2.329	ug/l #	74
7) Trichlorofluoromethane	3.181	101	5520	2.942	ug/l	91
8) Diethyl Ether	3.587	74	621	1.134	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	3.981	101	3457	2.936	ug/l	94
10) Methyl Iodide	4.175	142	2541	1.824	ug/l #	77
11) Tert butyl alcohol	5.064	59	323	7.040	ug/l #	75
12) 1,1-Dichloroethene	3.958	96	2616	2.337	ug/l #	90
13) Acrolein	3.811	56	828	11.520	ug/l #	69
14) Allyl chloride	4.570	41	3042	2.436	ug/l	90
15) Acrylonitrile	5.264	53	3215	14.559	ug/l #	70
16) Acetone	4.028	43	3567	17.992	ug/l	99
17) Carbon Disulfide	4.281	76	5621	1.532	ug/l #	94
18) Methyl Acetate	4.558	43	1862	4.376	ug/l #	86
19) Methyl tert-butyl Ether	5.305	73	3297	1.461	ug/l #	84
20) Methylene Chloride	4.805	84	12271	4.661	ug/l #	86
21) trans-1,2-Dichloroethene	5.311	96	3281	2.484	ug/l #	67
22) Diisopropyl ether	6.228	45	7336	2.583	ug/l #	92
23) Vinyl Acetate	6.158	43	14763	8.888	ug/l	100
24) 1,1-Dichloroethane	6.111	63	6555	3.079	ug/l #	80
25) 2-Butanone	7.087	43	4076	15.464	ug/l #	87
26) 2,2-Dichloropropane	7.081	77	5817	3.229	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	3677	2.441	ug/l	75
28) Bromochloromethane	7.434	49	2241	2.953	ug/l #	48
29) Tetrahydrofuran	7.446	42	1770	12.346	ug/l #	25
30) Chloroform	7.593	83	8003	3.371	ug/l #	73
31) Cyclohexane	7.887	56	5803	3.367	ug/l #	73
32) 1,1,1-Trichloroethane	7.805	97	5936	2.947	ug/l	92
36) 1,1-Dichloropropene	8.011	75	3904	2.152	ug/l	91
37) Ethyl Acetate	7.175	43	1815	3.063	ug/l #	76
38) Carbon Tetrachloride	7.999	117	5238	2.739	ug/l #	74
39) Methylcyclohexane	9.275	83	4467	2.123	ug/l	99
40) Benzene	8.252	78	14434	2.632	ug/l	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	878	2.827	ug/l #	71
42) 1,2-Dichloroethane	8.322	62	4620	3.455	ug/l	92
43) Isopropyl Acetate	8.375	43	2817	2.614	ug/l #	78
44) Trichloroethene	9.028	130	3963	2.663	ug/l	65
45) 1,2-Dichloropropane	9.305	63	3470	2.668	ug/l	94
46) Dibromomethane	9.399	93	2011	2.579	ug/l	94
47) Bromodichloromethane	9.587	83	5413	2.916	ug/l	97
48) Methyl methacrylate	9.387	41	1636	3.115	ug/l	89
49) 1,4-Dioxane	9.375	88	236	32.687	ug/l #	31
51) 4-Methyl-2-Pentanone	10.163	43	7602	13.492	ug/l	92
52) Toluene	10.340	92	9276	2.627	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	4642	2.735	ug/l	90
54) cis-1,3-Dichloropropene	10.022	75	5210	2.553	ug/l #	86
55) 1,1,2-Trichloroethane	10.740	97	2930	2.806	ug/l	94
56) Ethyl methacrylate	10.599	69	2007	1.917	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	4895	2.905	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	4861	10.531	ug/l #	88
59) 2-Hexanone	10.922	43	5323	12.744	ug/l	87
60) Dibromochloromethane	11.075	129	3818	2.965	ug/l	94
61) 1,2-Dibromoethane	11.187	107	2863	2.833	ug/l	92
64) Tetrachloroethene	10.810	164	3285	2.770	ug/l #	83
65) Chlorobenzene	11.604	112	11086	2.960	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	4195	3.059	ug/l	96
67) Ethyl Benzene	11.681	91	15666	2.455	ug/l	95
68) m/p-Xylenes	11.799	106	11461	4.423	ug/l	97
69) o-Xylene	12.122	106	5341	2.228	ug/l	97
70) Styrene	12.140	104	8227	2.044	ug/l	97
71) Bromoform	12.293	173	1932	2.607	ug/l #	98
73) Isopropylbenzene	12.422	105	14487	2.688	ug/l	96
74) N-amyl acetate	12.234	43	2322	2.654	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.669	83	3360	3.368	ug/l #	96
76) 1,2,3-Trichloropropane	12.716	75	3707	5.879	ug/l #	100
77) Bromobenzene	12.699	156	4128	3.089	ug/l	94
78) n-propylbenzene	12.763	91	18379	2.802	ug/l	96
79) 2-Chlorotoluene	12.851	91	9589	2.665	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	10944	2.456	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.569	75	32653	108.551	ug/l #	19
82) 4-Chlorotoluene	12.946	91	10413	2.736	ug/l	99
83) tert-Butylbenzene	13.169	119	10173	2.648	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	10586	2.357	ug/l	92
85) sec-Butylbenzene	13.346	105	13705	2.357	ug/l	98
86) p-Isopropyltoluene	13.463	119	12289	2.469	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	8154	2.891	ug/l	97
88) 1,4-Dichlorobenzene	13.457	146	8154	2.934	ug/l	95
89) n-Butylbenzene	13.787	91	12669	2.818	ug/l	95
90) Hexachloroethane	14.051	117	3198	3.105	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	7033	2.896	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	492	3.687	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.098	180	3806	2.685	ug/l	98
94) Hexachlorobutadiene	15.204	225	2463	3.210	ug/l	94
95) Naphthalene	15.328	128	6283	2.549	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.522	180	3065	2.499	ug/l	91

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

