

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078223.D
 Acq On : 24 Jan 2024 15:19
 Operator : RP/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 25 01:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 01:15:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	114814	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	223589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	203324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	84894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63525	48.466	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.940%		
35) Dibromofluoromethane	7.816	113	67459	45.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.680%		
50) Toluene-d8	10.275	98	256634	44.045	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.080%		
62) 4-Bromofluorobenzene	12.574	95	68780	40.704	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	5425	4.102	ug/l	96
3) Chloromethane	2.152	50	8952	4.196	ug/l	92
4) Vinyl Chloride	2.287	62	11811	4.338	ug/l	# 86
5) Bromomethane	2.699	94	8092	4.073	ug/l	98
6) Chloroethane	2.840	64	7747	4.074	ug/l	95
7) Trichlorofluoromethane	3.187	101	10073	4.068	ug/l	# 77
8) Diethyl Ether	3.604	74	2956	4.306	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.981	101	6118	4.265	ug/l	89
10) Methyl Iodide	4.169	142	5088	3.539	ug/l	# 87
11) Tert butyl alcohol	5.045	59	1041m	16.133	ug/l	
12) 1,1-Dichloroethene	3.951	96	5643	3.972	ug/l	89
13) Acrolein	3.804	56	2646	17.863	ug/l	87
14) Allyl chloride	4.569	41	7822	4.174	ug/l	# 77
15) Acrylonitrile	5.269	53	5943	19.292	ug/l	# 85
16) Acetone	4.028	43	6307	16.142	ug/l	# 72
17) Carbon Disulfide	4.275	76	19523	4.237	ug/l	99
18) Methyl Acetate	4.563	43	4290	3.804	ug/l	# 58
19) Methyl tert-butyl Ether	5.328	73	10973	3.703	ug/l	93
20) Methylene Chloride	4.810	84	11231	5.841	ug/l	# 86
21) trans-1,2-Dichloroethene	5.328	96	6449	3.928	ug/l	94
22) Diisopropyl ether	6.228	45	15465	3.900	ug/l	# 86
23) Vinyl Acetate	6.163	43	34984m	17.905	ug/l	
24) 1,1-Dichloroethane	6.122	63	11699	4.269	ug/l	95
25) 2-Butanone	7.081	43	8716	18.877	ug/l	# 72
26) 2,2-Dichloropropane	7.081	77	8592	3.743	ug/l	88
27) cis-1,2-Dichloroethene	7.087	96	7296	4.137	ug/l	87
28) Bromochloromethane	7.439	49	3990	3.733	ug/l	# 73
29) Tetrahydrofuran	7.445	42	4489	20.760	ug/l	# 69
30) Chloroform	7.598	83	12094	4.340	ug/l	100
31) Cyclohexane	7.881	56	12169	5.021	ug/l	# 87
32) 1,1,1-Trichloroethane	7.804	97	9140	3.797	ug/l	96
36) 1,1-Dichloropropene	8.016	75	9069	3.748	ug/l	91
37) Ethyl Acetate	7.181	43	3487m	3.871	ug/l	
38) Carbon Tetrachloride	7.992	117	8462	3.541	ug/l	90
39) Methylcyclohexane	9.275	83	9461	3.306	ug/l	98
40) Benzene	8.251	78	25580	3.725	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	1823	3.685	ug/l #	60
42) 1,2-Dichloroethane	8.334	62	6890	3.856	ug/l	96
43) Isopropyl Acetate	8.363	43	5735	3.475	ug/l #	79
44) Trichloroethene	9.039	130	6119	3.483	ug/l	98
45) 1,2-Dichloropropane	9.304	63	6564	3.852	ug/l	92
46) Dibromomethane	9.404	93	3233	3.455	ug/l	87
47) Bromodichloromethane	9.586	83	8659	3.684	ug/l	98
48) Methyl methacrylate	9.386	41	3292	3.445	ug/l #	76
49) 1,4-Dioxane	9.392	88	792	87.468	ug/l #	78
51) 4-Methyl-2-Pentanone	10.163	43	13935	16.068	ug/l #	85
52) Toluene	10.333	92	15376	3.532	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	7474	3.446	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	9293	3.575	ug/l #	88
55) 1,1,2-Trichloroethane	10.733	97	4330	3.458	ug/l #	86
56) Ethyl methacrylate	10.598	69	2955	2.883	ug/l #	66
57) 1,3-Dichloropropane	10.880	76	8025	3.748	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	9540	15.531	ug/l	89
59) 2-Hexanone	10.928	43	10546	14.964	ug/l	80
60) Dibromochloromethane	11.075	129	5411	3.665	ug/l	94
61) 1,2-Dibromoethane	11.175	107	4342	3.762	ug/l	87
64) Tetrachloroethene	10.816	164	4380	3.295	ug/l #	77
65) Chlorobenzene	11.610	112	17403	3.875	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.680	131	5633	3.509	ug/l	92
67) Ethyl Benzene	11.686	91	26984	3.301	ug/l	98
68) m/p-Xylenes	11.792	106	20332	6.513	ug/l	95
69) o-Xylene	12.122	106	8658	3.056	ug/l	83
70) Styrene	12.139	104	12821	3.020	ug/l #	89
71) Bromoform	12.304	173	2590	3.258	ug/l #	95
73) Isopropylbenzene	12.422	105	24521	3.674	ug/l	92
74) N-amyl acetate	12.233	43	4317	3.380	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.674	83	4535	3.651	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	3619m	4.445	ug/l	
77) Bromobenzene	12.698	156	6039	4.126	ug/l	79
78) n-propylbenzene	12.763	91	30604	3.697	ug/l	95
79) 2-Chlorotoluene	12.851	91	16797	3.802	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	18401	3.325	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	1335	3.532	ug/l #	68
82) 4-Chlorotoluene	12.945	91	17749	3.811	ug/l	90
83) tert-Butylbenzene	13.169	119	16397	3.544	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	18369	3.282	ug/l	92
85) sec-Butylbenzene	13.345	105	24623	3.515	ug/l	94
86) p-Isopropyltoluene	13.463	119	20990	3.443	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	11854	3.912	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	11892	3.973	ug/l	84
89) n-Butylbenzene	13.786	91	20779	3.501	ug/l	95
90) Hexachloroethane	14.051	117	4389	3.670	ug/l	89
91) 1,2-Dichlorobenzene	13.833	146	10213	4.008	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	687	3.871	ug/l	74
93) 1,2,4-Trichlorobenzene	15.098	180	5361	3.404	ug/l	97
94) Hexachlorobutadiene	15.204	225	2828	3.716	ug/l	86
95) Naphthalene	15.327	128	9388	3.188	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.515	180	4501	3.406	ug/l	97

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

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