

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078207.D
 Acq On : 23 Jan 2024 14:48
 Operator : RP/MD
 Sample : P1187-01 4PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 24 01:22:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 24 01:21:11 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	7.875	168	121749	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	230964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	210451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76057	54.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.440%			
35) Dibromofluoromethane	7.810	113	77090	50.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.440%			
50) Toluene-d8	10.269	98	299371	49.739	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.480%			
62) 4-Bromofluorobenzene	12.575	95	82305	47.153	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	5868	4.184	ug/l	76
3) Chloromethane	2.152	50	10079	4.455	ug/l	98
4) Vinyl Chloride	2.287	62	11980	4.150	ug/l	94
5) Bromomethane	2.699	94	9023	4.283	ug/l	97
6) Chloroethane	2.846	64	8676	4.302	ug/l	# 81
7) Trichlorofluoromethane	3.181	101	11335	4.316	ug/l	92
8) Diethyl Ether	3.599	74	2899	3.982	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.981	101	6843	4.499	ug/l	90
10) Methyl Iodide	4.169	142	5846	3.834	ug/l	93
11) Tert butyl alcohol	5.069	59	1675m	24.479	ug/l	
12) 1,1-Dichloroethene	3.946	96	6255	4.152	ug/l	97
13) Acrolein	3.799	56	3480	22.155	ug/l	97
14) Allyl chloride	4.563	41	8448	4.251	ug/l	# 84
15) Acrylonitrile	5.269	53	6937	21.236	ug/l	99
16) Acetone	4.022	43	7309	17.641	ug/l	97
17) Carbon Disulfide	4.275	76	21226	4.345	ug/l	97
18) Methyl Acetate	4.575	43	5087	4.254	ug/l	# 74
19) Methyl tert-butyl Ether	5.310	73	12488	3.975	ug/l	96
20) Methylene Chloride	4.805	84	11349	5.566	ug/l	# 82
21) trans-1,2-Dichloroethene	5.328	96	7065	4.058	ug/l	89
22) Diisopropyl ether	6.222	45	17490	4.159	ug/l	# 88
23) Vinyl Acetate	6.163	43	40254	19.428	ug/l	95
24) 1,1-Dichloroethane	6.122	63	12112	4.168	ug/l	# 84
25) 2-Butanone	7.087	43	9292	18.978	ug/l	# 86
26) 2,2-Dichloropropane	7.075	77	9811	4.030	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	7548	4.036	ug/l	90
28) Bromochloromethane	7.434	49	4497	3.968	ug/l	# 72
29) Tetrahydrofuran	7.451	42	4736	20.654	ug/l	# 74
30) Chloroform	7.599	83	12589	4.260	ug/l	95
31) Cyclohexane	7.893	56	12335	4.800	ug/l	# 94
32) 1,1,1-Trichloroethane	7.810	97	10355m	4.056	ug/l	
36) 1,1-Dichloropropene	8.004	75	10189	4.076	ug/l	90
37) Ethyl Acetate	7.175	43	3999	4.297	ug/l	# 88
38) Carbon Tetrachloride	7.998	117	8788	3.560	ug/l	96
39) Methylcyclohexane	9.281	83	10700	3.620	ug/l	91
40) Benzene	8.251	78	28969	4.084	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	2133m	4.174	ug/l	
42) 1,2-Dichloroethane	8.334	62	7476	4.051	ug/l	88
43) Isopropyl Acetate	8.357	43	6477	3.799	ug/l #	54
44) Trichloroethene	9.034	130	7411	4.084	ug/l	98
45) 1,2-Dichloropropane	9.310	63	6756	3.838	ug/l	92
46) Dibromomethane	9.404	93	4093	4.234	ug/l #	85
47) Bromodichloromethane	9.581	83	9563	3.938	ug/l #	96
48) Methyl methacrylate	9.387	41	3977	4.029	ug/l #	75
49) 1,4-Dioxane	9.369	88	654	69.921	ug/l #	79
51) 4-Methyl-2-Pentanone	10.163	43	15801	17.637	ug/l	87
52) Toluene	10.334	92	16274	3.619	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	8584	3.832	ug/l	96
54) cis-1,3-Dichloropropene	10.022	75	10014	3.729	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	4969	3.842	ug/l	94
56) Ethyl methacrylate	10.598	69	3922	3.704	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	8549	3.865	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.875	63	11730	18.486	ug/l	90
59) 2-Hexanone	10.922	43	12357	16.974	ug/l	85
60) Dibromochloromethane	11.075	129	5753	3.772	ug/l	86
61) 1,2-Dibromoethane	11.181	107	4644	3.895	ug/l	100
64) Tetrachloroethene	10.810	164	5639	4.098	ug/l	95
65) Chlorobenzene	11.604	112	17970	3.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	6311	3.799	ug/l	99
67) Ethyl Benzene	11.687	91	29695	3.510	ug/l	100
68) m/p-Xylenes	11.798	106	22633	7.005	ug/l	90
69) o-Xylene	12.122	106	9939	3.389	ug/l	86
70) Styrene	12.134	104	14389	3.275	ug/l #	90
71) Bromoform	12.298	173	2572	3.126	ug/l #	87
73) Isopropylbenzene	12.422	105	26501	3.738	ug/l	92
74) N-amyl acetate	12.234	43	5914	4.360	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.675	83	6011	4.557	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	3180m	3.677	ug/l	
77) Bromobenzene	12.698	156	6560	4.220	ug/l	83
78) n-propylbenzene	12.763	91	33861	3.851	ug/l	93
79) 2-Chlorotoluene	12.851	91	19547	4.166	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	22209	3.778	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	2002	4.986	ug/l #	93
82) 4-Chlorotoluene	12.945	91	19638	3.970	ug/l	97
83) tert-Butylbenzene	13.163	119	17286	3.518	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	21245	3.573	ug/l	93
85) sec-Butylbenzene	13.345	105	26654	3.582	ug/l	98
86) p-Isopropyltoluene	13.457	119	21905	3.383	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	12187	3.787	ug/l	94
88) 1,4-Dichlorobenzene	13.539	146	13191	4.149	ug/l	89
89) n-Butylbenzene	13.786	91	22684	3.599	ug/l	97
90) Hexachloroethane	14.051	117	5407	4.257	ug/l	77
91) 1,2-Dichlorobenzene	13.828	146	10960	4.050	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1048	5.559	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.092	180	5850	3.497	ug/l	89
94) Hexachlorobutadiene	15.198	225	3297	4.079	ug/l	98
95) Naphthalene	15.333	128	10881	3.479	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	5458	3.889	ug/l	98

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

