

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078206.D
 Acq On : 23 Jan 2024 14:21
 Operator : RP/MD
 Sample : P1187-01 2.5PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 24 01:22:13 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	7.881	168	125653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	234018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	212565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	88359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70446	49.110	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.220%		
35) Dibromofluoromethane	7.811	113	73719	47.865	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.720%		
50) Toluene-d8	10.269	98	285065	46.744	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.480%		
62) 4-Bromofluorobenzene	12.575	95	78644	44.468	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3806	2.629	ug/l	76
3) Chloromethane	2.152	50	6851	2.934	ug/l	92
4) Vinyl Chloride	2.293	62	7487	2.513	ug/l	98
5) Bromomethane	2.705	94	5844	2.688	ug/l	87
6) Chloroethane	2.852	64	5362	2.576	ug/l #	88
7) Trichlorofluoromethane	3.187	101	7648	2.822	ug/l	100
8) Diethyl Ether	3.599	74	1847	2.458	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.975	101	4369	2.783	ug/l #	84
10) Methyl Iodide	4.175	142	3332	2.118	ug/l #	87
11) Tert butyl alcohol	5.028	59	600m	8.496	ug/l	
12) 1,1-Dichloroethene	3.958	96	3921m	2.522	ug/l	
13) Acrolein	3.811	56	1874	11.560	ug/l	89
14) Allyl chloride	4.569	41	4721	2.302	ug/l #	81
15) Acrylonitrile	5.281	53	4320m	12.814	ug/l	
16) Acetone	4.022	43	4767	11.148	ug/l	87
17) Carbon Disulfide	4.287	76	13083	2.595	ug/l #	88
18) Methyl Acetate	4.569	43	2857	2.315	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	6612	2.039	ug/l #	84
20) Methylene Chloride	4.805	84	8211	3.902	ug/l #	69
21) trans-1,2-Dichloroethene	5.317	96	4414	2.456	ug/l #	87
22) Diisopropyl ether	6.222	45	9659	2.225	ug/l #	88
23) Vinyl Acetate	6.164	43	23989m	11.218	ug/l	
24) 1,1-Dichloroethane	6.111	63	7237	2.413	ug/l #	89
25) 2-Butanone	7.087	43	5777	11.433	ug/l #	75
26) 2,2-Dichloropropane	7.081	77	6079	2.420	ug/l	81
27) cis-1,2-Dichloroethene	7.087	96	4822	2.498	ug/l	88
28) Bromochloromethane	7.440	49	2433	2.080	ug/l #	66
29) Tetrahydrofuran	7.446	42	2821	11.921	ug/l #	34
30) Chloroform	7.605	83	7641	2.505	ug/l	97
31) Cyclohexane	7.881	56	8989	3.389	ug/l #	71
32) 1,1,1-Trichloroethane	7.793	97	6842	2.597	ug/l	94
36) 1,1-Dichloropropene	8.011	75	5832	2.303	ug/l #	92
37) Ethyl Acetate	7.181	43	2739m	2.905	ug/l	
38) Carbon Tetrachloride	7.999	117	6526	2.609	ug/l	85
39) Methylcyclohexane	9.281	83	7024	2.345	ug/l #	82
40) Benzene	8.258	78	17306	2.408	ug/l	93

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Reviewed By :Mahesh Dadoda 01/25/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1065m	2.057	ug/l	
42) 1,2-Dichloroethane	8.334	62	4769	2.550	ug/l	91
43) Isopropyl Acetate	8.352	43	3485	2.017	ug/l #	79
44) Trichloroethene	9.028	130	4017	2.185	ug/l	70
45) 1,2-Dichloropropane	9.305	63	4295	2.408	ug/l	96
46) Dibromomethane	9.399	93	2414	2.465	ug/l #	84
47) Bromodichloromethane	9.587	83	6271	2.549	ug/l #	83
48) Methyl methacrylate	9.381	41	2412	2.412	ug/l #	62
49) 1,4-Dioxane	9.387	88	256	27.013	ug/l #	56
51) 4-Methyl-2-Pentanone	10.157	43	9620	10.598	ug/l #	85
52) Toluene	10.334	92	10802	2.371	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	5051	2.225	ug/l	89
54) cis-1,3-Dichloropropene	10.010	75	5927	2.178	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	3292	2.512	ug/l #	80
56) Ethyl methacrylate	10.604	69	1992	1.857	ug/l #	64
57) 1,3-Dichloropropane	10.881	76	4926	2.198	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.869	63	6759	10.513	ug/l	91
59) 2-Hexanone	10.922	43	7110	9.639	ug/l	78
60) Dibromochloromethane	11.075	129	3647	2.360	ug/l	100
61) 1,2-Dibromoethane	11.181	107	2961	2.451	ug/l	88
64) Tetrachloroethene	10.804	164	3703	2.664	ug/l #	69
65) Chlorobenzene	11.610	112	11536	2.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	4002	2.385	ug/l	95
67) Ethyl Benzene	11.681	91	18892	2.211	ug/l	98
68) m/p-Xylenes	11.793	106	13685	4.193	ug/l	83
69) o-Xylene	12.122	106	6039	2.039	ug/l	94
70) Styrene	12.134	104	8360	1.884	ug/l #	85
71) Bromoform	12.299	173	1811	2.179	ug/l #	85
73) Isopropylbenzene	12.422	105	16102	2.318	ug/l	96
74) N-amyl acetate	12.240	43	3174	2.388	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	3179	2.459	ug/l #	88
76) 1,2,3-Trichloropropane	12.716	75	2387m	2.817	ug/l	
77) Bromobenzene	12.698	156	3942	2.588	ug/l	82
78) n-propylbenzene	12.763	91	22631	2.626	ug/l	93
79) 2-Chlorotoluene	12.851	91	12313	2.678	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	13058	2.267	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	1143m	2.905	ug/l	
82) 4-Chlorotoluene	12.946	91	12102	2.497	ug/l	92
83) tert-Butylbenzene	13.169	119	10921	2.268	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	13170	2.261	ug/l	95
85) sec-Butylbenzene	13.346	105	16985	2.329	ug/l	96
86) p-Isopropyltoluene	13.463	119	13838	2.181	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	8161	2.588	ug/l	95
88) 1,4-Dichlorobenzene	13.534	146	8379m	2.689	ug/l	
89) n-Butylbenzene	13.787	91	15343	2.484	ug/l	95
90) Hexachloroethane	14.057	117	3300	2.651	ug/l	73
91) 1,2-Dichlorobenzene	13.834	146	6844	2.581	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	555	3.004	ug/l	60
93) 1,2,4-Trichlorobenzene	15.098	180	4107	2.505	ug/l	98
94) Hexachlorobutadiene	15.204	225	2108	2.661	ug/l	93
95) Naphthalene	15.328	128	7592	2.477	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	3528	2.565	ug/l	95

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

