

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013024\
 Data File : VD078282.D
 Acq On : 30 Jan 2024 16:48
 Operator : RP/MD
 Sample : P1187-03 2.5 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 31 01:17:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 01:16:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2024
 Supervised By :Mahesh Dadoda 01/31/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	93626	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	183032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	167915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	61872	53.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	106.760%		
35) Dibromofluoromethane	7.805	113	63929	49.061	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.120%		
50) Toluene-d8	10.269	98	240445	48.738	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.480%		
62) 4-Bromofluorobenzene	12.575	95	66682	45.134	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	3330	2.941	ug/l	93
3) Chloromethane	2.152	50	5790	2.973	ug/l	90
4) Vinyl Chloride	2.281	62	7864	3.061	ug/l	98
5) Bromomethane	2.693	94	5300	3.408	ug/l	87
6) Chloroethane	2.834	64	5163	2.910	ug/l	# 83
7) Trichlorofluoromethane	3.175	101	5983	2.751	ug/l	99
8) Diethyl Ether	3.599	74	1458	2.266	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	4267	3.197	ug/l	89
10) Methyl Iodide	4.170	142	2857	2.353	ug/l	# 82
11) Tert butyl alcohol	5.064	59	1926m	26.052	ug/l	
12) 1,1-Dichloroethene	3.946	96	3524	2.736	ug/l	# 65
13) Acrolein	3.817	56	1656m	17.241	ug/l	
14) Allyl chloride	4.564	41	4367	2.572	ug/l	# 63
15) Acrylonitrile	5.264	53	4577	16.093	ug/l	# 86
16) Acetone	4.034	43	5674	18.526	ug/l	# 65
17) Carbon Disulfide	4.264	76	10704	2.462	ug/l	# 89
18) Methyl Acetate	4.575	43	2991	4.842	ug/l	# 78
19) Methyl tert-butyl Ether	5.322	73	7668	2.863	ug/l	# 81
20) Methylene Chloride	4.817	84	7960	4.944	ug/l	# 91
21) trans-1,2-Dichloroethene	5.317	96	3598	2.471	ug/l	# 78
22) Diisopropyl ether	6.228	45	9658	2.673	ug/l	# 81
23) Vinyl Acetate	6.164	43	22689	10.292	ug/l	98
24) 1,1-Dichloroethane	6.111	63	7667	3.065	ug/l	# 90
25) 2-Butanone	7.093	43	5805	15.031	ug/l	91
26) 2,2-Dichloropropane	7.081	77	6128	2.999	ug/l	80
27) cis-1,2-Dichloroethene	7.075	96	4628	2.867	ug/l	85
28) Bromochloromethane	7.428	49	2700	3.026	ug/l	# 43
29) Tetrahydrofuran	7.440	42	2741	13.267	ug/l	# 83
30) Chloroform	7.605	83	7232	2.828	ug/l	99
31) Cyclohexane	7.875	56	7691	3.543	ug/l	# 70
32) 1,1,1-Trichloroethane	7.793	97	6303	2.859	ug/l	95
36) 1,1-Dichloropropene	8.010	75	5620	2.601	ug/l	91
37) Ethyl Acetate	7.169	43	2890	3.475	ug/l	# 64
38) Carbon Tetrachloride	7.987	117	5601	2.636	ug/l	86
39) Methylcyclohexane	9.269	83	6482	2.537	ug/l	98
40) Benzene	8.246	78	16118	2.556	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	762m	1.704	ug/l	
42) 1,2-Dichloroethane	8.322	62	4574	2.797	ug/l	84
43) Isopropyl Acetate	8.363	43	3799	2.548	ug/l #	56
44) Trichloroethene	9.034	130	4076	2.633	ug/l	97
45) 1,2-Dichloropropane	9.305	63	4178	2.710	ug/l	91
46) Dibromomethane	9.393	93	1903	2.225	ug/l #	37
47) Bromodichloromethane	9.587	83	5500	2.614	ug/l	94
48) Methyl methacrylate	9.381	41	2340	3.284	ug/l #	66
49) 1,4-Dioxane	9.381	88	518	53.990	ug/l #	53
51) 4-Methyl-2-Pentanone	10.163	43	10136	12.566	ug/l #	84
52) Toluene	10.334	92	9944	2.600	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	5093	2.591	ug/l	99
54) cis-1,3-Dichloropropene	10.022	75	5632	2.420	ug/l #	88
55) 1,1,2-Trichloroethane	10.728	97	3486	3.123	ug/l #	91
56) Ethyl methacrylate	10.604	69	2182	1.724	ug/l #	60
57) 1,3-Dichloropropane	10.887	76	5110	2.655	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	6817	11.841	ug/l	92
59) 2-Hexanone	10.922	43	7437	12.242	ug/l	88
60) Dibromochloromethane	11.069	129	3563	2.750	ug/l	84
61) 1,2-Dibromoethane	11.181	107	2766	2.625	ug/l	96
64) Tetrachloroethene	10.810	164	3504	2.992	ug/l #	73
65) Chlorobenzene	11.604	112	10331	2.572	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.681	131	3737	2.613	ug/l	96
67) Ethyl Benzene	11.687	91	17991	2.472	ug/l	89
68) m/p-Xylenes	11.793	106	12782	4.566	ug/l	92
69) o-Xylene	12.116	106	6295	2.447	ug/l	95
70) Styrene	12.134	104	8908	2.027	ug/l	94
71) Bromoform	12.299	173	1960	2.782	ug/l #	97
73) Isopropylbenzene	12.422	105	15815	2.506	ug/l	99
74) N-amyl acetate	12.234	43	3334	2.554	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.675	83	3423	2.809	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	2933	3.762	ug/l #	100
77) Bromobenzene	12.698	156	4146	2.985	ug/l	73
78) n-propylbenzene	12.763	91	21214	2.698	ug/l	96
79) 2-Chlorotoluene	12.846	91	11066	2.629	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	13334	2.597	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.475	75	1017m	2.594	ug/l	
82) 4-Chlorotoluene	12.951	91	11720	2.612	ug/l	98
83) tert-Butylbenzene	13.163	119	10987	2.508	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	12551	2.416	ug/l	94
85) sec-Butylbenzene	13.345	105	17257	2.510	ug/l	96
86) p-Isopropyltoluene	13.457	119	13375	2.375	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	7980	2.766	ug/l	93
88) 1,4-Dichlorobenzene	13.540	146	8745	3.063	ug/l	91
89) n-Butylbenzene	13.787	91	14258	2.598	ug/l	94
90) Hexachloroethane	14.057	117	3711	3.299	ug/l	73
91) 1,2-Dichlorobenzene	13.828	146	6667	2.701	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.440	75	525	3.073	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.098	180	4167	2.919	ug/l	97
94) Hexachlorobutadiene	15.198	225	2014	2.879	ug/l	89
95) Naphthalene	15.334	128	7624	2.678	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.516	180	3450	2.744	ug/l	91

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

