

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013024\
 Data File : VD078283.D
 Acq On : 30 Jan 2024 17:15
 Operator : RP/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jan 31 01:18:42 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	7.875	168	99364	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	192564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	36156	29.394	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	58.780%		
35) Dibromofluoromethane	7.811	113	35044	25.562	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	51.120%#		
50) Toluene-d8	10.269	98	132809	25.588	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	51.180%#		
62) 4-Bromofluorobenzene	12.575	95	37224	23.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	47.900%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	4342	3.614	ug/l	79
3) Chloromethane	2.152	50	8655	4.187	ug/l	91
4) Vinyl Chloride	2.281	62	9739	3.572	ug/l	98
5) Bromomethane	2.693	94	6219	3.768	ug/l	85
6) Chloroethane	2.834	64	6740	3.579	ug/l	92
7) Trichlorofluoromethane	3.170	101	8826	3.823	ug/l	93
8) Diethyl Ether	3.593	74	2573	3.768	ug/l	61
9) 1,1,2-Trichlorotrifluo...	3.970	101	5588	3.944	ug/l #	69
10) Methyl Iodide	4.164	142	3270	2.537	ug/l #	86
11) Tert butyl alcohol	5.040	59	1926m	24.547	ug/l	
12) 1,1-Dichloroethene	3.940	96	5170	3.782	ug/l #	78
13) Acrolein	3.811	56	2345	23.004	ug/l #	57
14) Allyl chloride	4.570	41	6347	3.522	ug/l #	79
15) Acrylonitrile	5.264	53	6394	21.184	ug/l #	76
16) Acetone	4.028	43	7471	22.985	ug/l #	79
17) Carbon Disulfide	4.264	76	13883	3.008	ug/l	100
18) Methyl Acetate	4.570	43	3858	5.884	ug/l	90
19) Methyl tert-butyl Ether	5.328	73	10919	3.841	ug/l #	85
20) Methylene Chloride	4.793	84	9854	5.767	ug/l #	79
21) trans-1,2-Dichloroethene	5.311	96	5144	3.328	ug/l	90
22) Diisopropyl ether	6.216	45	13772	3.591	ug/l #	87
23) Vinyl Acetate	6.158	43	33172	14.178	ug/l	97
24) 1,1-Dichloroethane	6.122	63	9507m	3.581	ug/l	
25) 2-Butanone	7.093	43	8387	20.462	ug/l	90
26) 2,2-Dichloropropane	7.075	77	8066	3.719	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	6845	3.996	ug/l	87
28) Bromochloromethane	7.416	49	4183	4.418	ug/l #	79
29) Tetrahydrofuran	7.452	42	4453	20.308	ug/l #	81
30) Chloroform	7.593	83	10937	4.029	ug/l	95
31) Cyclohexane	7.875	56	9382	4.073	ug/l #	83
32) 1,1,1-Trichloroethane	7.799	97	8791	3.758	ug/l	92
36) 1,1-Dichloropropene	8.011	75	7032	3.093	ug/l	99
37) Ethyl Acetate	7.175	43	5157	5.894	ug/l #	92
38) Carbon Tetrachloride	7.993	117	7443	3.330	ug/l	99
39) Methylcyclohexane	9.275	83	8952	3.331	ug/l	89
40) Benzene	8.252	78	22574	3.403	ug/l	92

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41) Methacrylonitrile	7.399	41	1810	3.848	ug/l #	88
42) 1,2-Dichloroethane	8.340	62	6288	3.655	ug/l	82
43) Isopropyl Acetate	8.363	43	5380	3.429	ug/l #	80
44) Trichloroethene	9.022	130	5535	3.398	ug/l	94
45) 1,2-Dichloropropane	9.305	63	5789	3.569	ug/l #	88
46) Dibromomethane	9.393	93	3421	3.802	ug/l #	83
47) Bromodichloromethane	9.587	83	8306	3.752	ug/l #	82
48) Methyl methacrylate	9.387	41	2959	3.947	ug/l #	72
49) 1,4-Dioxane	9.393	88	729	72.222	ug/l #	44
51) 4-Methyl-2-Pentanone	10.157	43	14572	17.171	ug/l #	81
52) Toluene	10.334	92	13754	3.419	ug/l	93
53) t-1,3-Dichloropropene	10.552	75	6695	3.238	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	8413	3.437	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	4364	3.716	ug/l	95
56) Ethyl methacrylate	10.599	69	2502	1.879	ug/l #	48
57) 1,3-Dichloropropane	10.881	76	7568	3.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	11348	18.736	ug/l	89
59) 2-Hexanone	10.916	43	11217	17.550	ug/l	81
60) Dibromochloromethane	11.075	129	4739	3.477	ug/l	96
61) 1,2-Dibromoethane	11.175	107	4038	3.642	ug/l	96
64) Tetrachloroethene	10.810	164	4248	3.494	ug/l #	81
65) Chlorobenzene	11.610	112	14632	3.509	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	5204	3.505	ug/l	95
67) Ethyl Benzene	11.687	91	24054	3.184	ug/l #	87
68) m/p-Xylenes	11.793	106	17807	6.127	ug/l	93
69) o-Xylene	12.116	106	8149	3.051	ug/l	93
70) Styrene	12.134	104	12071	2.646	ug/l	93
71) Bromoform	12.299	173	2676	3.659	ug/l #	95
73) Isopropylbenzene	12.416	105	20915	3.122	ug/l	93
74) N-amyl acetate	12.234	43	4514	3.258	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	5330	4.120	ug/l #	98
76) 1,2,3-Trichloropropane	12.722	75	3776m	4.563	ug/l	
77) Bromobenzene	12.698	156	5411	3.671	ug/l	75
78) n-propylbenzene	12.763	91	27685	3.318	ug/l	96
79) 2-Chlorotoluene	12.851	91	14929	3.342	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	17074	3.133	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.475	75	1634	3.927	ug/l	92
82) 4-Chlorotoluene	12.946	91	16074	3.376	ug/l	93
83) tert-Butylbenzene	13.163	119	14236	3.062	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	17349	3.147	ug/l	97
85) sec-Butylbenzene	13.346	105	21653	2.967	ug/l	94
86) p-Isopropyltoluene	13.457	119	18713	3.131	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	11100	3.625	ug/l	92
88) 1,4-Dichlorobenzene	13.540	146	11373	3.754	ug/l	90
89) n-Butylbenzene	13.787	91	19545	3.356	ug/l	96
90) Hexachloroethane	14.051	117	4461	3.737	ug/l	75
91) 1,2-Dichlorobenzene	13.828	146	9034	3.448	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.445	75	762	4.202	ug/l	68
93) 1,2,4-Trichlorobenzene	15.098	180	5622	3.710	ug/l	92
94) Hexachlorobutadiene	15.204	225	2846	3.833	ug/l	99
95) Naphthalene	15.334	128	10326	3.418	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.516	180	4933	3.697	ug/l	94

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

