

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020725\
 Data File : VD080260.D
 Acq On : 07 Feb 2025 14:46
 Operator : RP/MD
 Sample : Q1168-03 2.5PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 08 01:23:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 08 01:23:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/10/2025
 Supervised By :Semsettin Yesilyurt 02/10/2025

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	97129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	169425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	78270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	69403	54.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.860%			
35) Dibromofluoromethane	7.805	113	63734	53.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.160%			
50) Toluene-d8	10.269	98	212318	47.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.575	95	65298	45.702	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3257	2.838	ug/l	81
3) Chloromethane	2.146	50	6413	3.170	ug/l	89
4) Vinyl Chloride	2.281	62	7566	3.091	ug/l	94
5) Bromomethane	2.687	94	6200	3.285	ug/l	95
6) Chloroethane	2.828	64	5638	3.458	ug/l	96
7) Trichlorofluoromethane	3.164	101	6416	3.163	ug/l	92
8) Diethyl Ether	3.587	74	1658	2.988	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.958	101	3878	3.303	ug/l	96
10) Methyl Iodide	4.164	142	3199	3.813	ug/l	94
11) Tert butyl alcohol	5.064	59	1479m	21.192	ug/l	
12) 1,1-Dichloroethene	3.946	96	3407	3.063	ug/l	79
13) Acrolein	3.787	56	1821	13.838	ug/l	89
14) Allyl chloride	4.552	41	4972	2.901	ug/l #	85
15) Acrylonitrile	5.264	53	3820	14.328	ug/l	94
16) Acetone	4.023	43	4211m	20.680	ug/l	
17) Carbon Disulfide	4.275	76	11882	2.962	ug/l	97
18) Methyl Acetate	4.581	43	2667	3.882	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	7129	2.911	ug/l #	87
20) Methylene Chloride	4.799	84	5140	3.720	ug/l #	88
21) trans-1,2-Dichloroethene	5.317	96	3765	2.980	ug/l	88
22) Diisopropyl ether	6.211	45	8425	2.362	ug/l #	98
23) Vinyl Acetate	6.164	43	25077	12.176	ug/l	98
24) 1,1-Dichloroethane	6.111	63	7397	3.163	ug/l	94
25) 2-Butanone	7.081	43	4742	15.014	ug/l	98
26) 2,2-Dichloropropane	7.075	77	6755	3.330	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	4092	2.866	ug/l	88
28) Bromochloromethane	7.434	49	3865	3.622	ug/l #	91
29) Tetrahydrofuran	7.452	42	3041	14.701	ug/l #	89
30) Chloroform	7.599	83	7453	3.117	ug/l	95
31) Cyclohexane	7.881	56	7394	3.950	ug/l #	82
32) 1,1,1-Trichloroethane	7.799	97	6450	3.225	ug/l	96
36) 1,1-Dichloropropene	8.005	75	5006	2.911	ug/l #	80
37) Ethyl Acetate	7.175	43	2947	3.494	ug/l #	71
38) Carbon Tetrachloride	7.987	117	5235	2.914	ug/l #	61
39) Methylcyclohexane	9.281	83	4547	2.434	ug/l	87
40) Benzene	8.258	78	15188	2.817	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	1775	3.824	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	5180	3.377	ug/l	93
43) Isopropyl Acetate	8.369	43	4697	3.138	ug/l #	82
44) Trichloroethene	9.028	130	3538	2.841	ug/l	94
45) 1,2-Dichloropropane	9.305	63	4210	3.105	ug/l	94
46) Dibromomethane	9.393	93	2482	3.285	ug/l	93
47) Bromodichloromethane	9.581	83	6100	3.202	ug/l #	91
48) Methyl methacrylate	9.381	41	1906	2.752	ug/l #	89
49) 1,4-Dioxane	9.387	88	365	44.413	ug/l #	65
51) 4-Methyl-2-Pentanone	10.152	43	9856	13.023	ug/l	99
52) Toluene	10.340	92	9510	3.016	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	4617	2.843	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	4817	2.438	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	3081	3.139	ug/l	92
56) Ethyl methacrylate	10.599	69	2646	2.362	ug/l #	77
57) 1,3-Dichloropropane	10.881	76	4509	2.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	5849	12.235	ug/l #	87
59) 2-Hexanone	10.922	43	6770	13.632	ug/l	87
60) Dibromochloromethane	11.075	129	3881	3.208	ug/l	91
61) 1,2-Dibromoethane	11.175	107	2774	3.103	ug/l	93
64) Tetrachloroethene	10.810	164	3292	2.894	ug/l #	78
65) Chlorobenzene	11.610	112	9610	2.575	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	3782	2.896	ug/l	94
67) Ethyl Benzene	11.681	91	14140	2.277	ug/l	92
68) m/p-Xylenes	11.799	106	10247	4.251	ug/l	98
69) o-Xylene	12.116	106	4810	2.188	ug/l	95
70) Styrene	12.140	104	7555	1.931	ug/l	91
71) Bromoform	12.299	173	2335	3.034	ug/l #	93
73) Isopropylbenzene	12.416	105	12055	2.277	ug/l	99
74) N-amyl acetate	12.234	43	3778	2.715	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	4065	3.690	ug/l #	94
76) 1,2,3-Trichloropropane	12.722	75	3122m	3.943	ug/l	
77) Bromobenzene	12.699	156	3883	2.843	ug/l	89
78) n-propylbenzene	12.763	91	16386	2.431	ug/l	100
79) 2-Chlorotoluene	12.846	91	9656	2.522	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	9993	2.257	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	1156	2.986	ug/l	87
82) 4-Chlorotoluene	12.946	91	10186	2.503	ug/l	99
83) tert-Butylbenzene	13.163	119	9314	2.573	ug/l	91
84) 1,2,4-Trimethylbenzene	13.210	105	10063	2.233	ug/l	97
85) sec-Butylbenzene	13.346	105	12472	2.254	ug/l	97
86) p-Isopropyltoluene	13.463	119	10132	2.144	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	7683	2.856	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	8572	3.149	ug/l	93
89) n-Butylbenzene	13.787	91	11216	2.442	ug/l	98
90) Hexachloroethane	14.057	117	3136	2.986	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	6751	2.849	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	586	3.343	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	3758	2.488	ug/l	98
94) Hexachlorobutadiene	15.204	225	2209	2.700	ug/l	91
95) Naphthalene	15.334	128	6670	2.462	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	3533	2.591	ug/l	90

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

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