

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080252.D
 Acq On : 06 Feb 2025 16:52
 Operator : RP/MD
 Sample : Q1168-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

Quant Time: Feb 07 01:15:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 07 01:12:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	105530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	188747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	180537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	65868	47.983	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.960%		
35) Dibromofluoromethane	7.810	113	59637	44.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.160%		
50) Toluene-d8	10.269	98	207828	41.894	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	83.780%		
62) 4-Bromofluorobenzene	12.575	95	65310	41.031	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	6282	5.038	ug/l	99
3) Chloromethane	2.152	50	10928	4.971	ug/l	88
4) Vinyl Chloride	2.281	62	13145	4.943	ug/l	90
5) Bromomethane	2.687	94	9370	4.570	ug/l	91
6) Chloroethane	2.834	64	8176	4.616	ug/l	97
7) Trichlorofluoromethane	3.169	101	10639	4.827	ug/l	95
8) Diethyl Ether	3.593	74	3102	5.145	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.975	101	6300	4.938	ug/l	96
10) Methyl Iodide	4.163	142	5275	5.788	ug/l	92
11) Tert butyl alcohol	5.052	59	2228m	29.382	ug/l	
12) 1,1-Dichloroethene	3.940	96	5379	4.451	ug/l	97
13) Acrolein	3.805	56	3520	24.620	ug/l	90
14) Allyl chloride	4.563	41	8890	4.774	ug/l	95
15) Acrylonitrile	5.257	53	5952	20.547	ug/l #	85
16) Acetone	4.022	43	5927	26.791	ug/l	97
17) Carbon Disulfide	4.275	76	18615	4.271	ug/l	97
18) Methyl Acetate	4.575	43	3878	5.195	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	10985	4.129	ug/l	94
20) Methylene Chloride	4.804	84	7052	4.697	ug/l #	91
21) trans-1,2-Dichloroethene	5.310	96	5784	4.213	ug/l	85
22) Diisopropyl ether	6.228	45	15428	3.981	ug/l	95
23) Vinyl Acetate	6.163	43	44182	19.745	ug/l	95
24) 1,1-Dichloroethane	6.116	63	12724	5.008	ug/l	96
25) 2-Butanone	7.087	43	7323	21.340	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	10420	4.728	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	6683	4.309	ug/l	92
28) Bromochloromethane	7.422	49	6736	5.810	ug/l #	100
29) Tetrahydrofuran	7.446	42	4979	22.153	ug/l #	67
30) Chloroform	7.593	83	13052	5.025	ug/l	99
31) Cyclohexane	7.875	56	9790	4.813	ug/l #	61
32) 1,1,1-Trichloroethane	7.793	97	10916	5.023	ug/l	98
36) 1,1-Dichloropropene	8.004	75	7906	4.126	ug/l	98
37) Ethyl Acetate	7.175	43	3940	4.194	ug/l #	78
38) Carbon Tetrachloride	7.993	117	9018	4.506	ug/l	91
39) Methylcyclohexane	9.275	83	7474	3.591	ug/l #	80
40) Benzene	8.251	78	25176	4.192	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	2140	4.138	ug/l #	46
42) 1,2-Dichloroethane	8.322	62	7986	4.673	ug/l	92
43) Isopropyl Acetate	8.363	43	7291	4.373	ug/l #	86
44) Trichloroethene	9.028	130	6973	5.026	ug/l	66
45) 1,2-Dichloropropane	9.310	63	6802	4.503	ug/l #	89
46) Dibromomethane	9.398	93	4121	4.897	ug/l	94
47) Bromodichloromethane	9.587	83	10089	4.754	ug/l #	73
48) Methyl methacrylate	9.387	41	3341	4.330	ug/l	87
49) 1,4-Dioxane	9.375	88	611	66.736	ug/l #	69
51) 4-Methyl-2-Pentanone	10.157	43	17092	20.272	ug/l	92
52) Toluene	10.334	92	15333	4.365	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	8065	4.458	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	8950	4.067	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	5411	4.948	ug/l #	84
56) Ethyl methacrylate	10.598	69	4807	3.853	ug/l #	86
57) 1,3-Dichloropropane	10.875	76	8183	4.524	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	10063	18.896	ug/l	98
59) 2-Hexanone	10.922	43	11087	20.039	ug/l	92
60) Dibromochloromethane	11.069	129	6291	4.667	ug/l	93
61) 1,2-Dibromoethane	11.181	107	4344	4.362	ug/l	98
64) Tetrachloroethene	10.804	164	5410	4.290	ug/l	92
65) Chlorobenzene	11.610	112	17305	4.182	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.681	131	5903	4.078	ug/l	89
67) Ethyl Benzene	11.681	91	25135	3.651	ug/l	100
68) m/p-Xylenes	11.792	106	17926	6.708	ug/l	99
69) o-Xylene	12.122	106	8763	3.596	ug/l	95
70) Styrene	12.133	104	15324	3.532	ug/l	97
71) Bromoform	12.298	173	3710	4.347	ug/l #	95
73) Isopropylbenzene	12.422	105	20365	3.280	ug/l	94
74) N-amyl acetate	12.233	43	5997	3.675	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	6398	4.952	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	5407m	5.824	ug/l	
77) Bromobenzene	12.704	156	6742	4.210	ug/l	95
78) n-propylbenzene	12.763	91	29068	3.677	ug/l	98
79) 2-Chlorotoluene	12.845	91	17017	3.789	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	16983	3.271	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	1678	3.696	ug/l	91
82) 4-Chlorotoluene	12.951	91	17690	3.707	ug/l	98
83) tert-Butylbenzene	13.163	119	15119	3.562	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	18222	3.448	ug/l	95
85) sec-Butylbenzene	13.345	105	22410	3.453	ug/l	97
86) p-Isopropyltoluene	13.457	119	18702	3.375	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	13857	4.393	ug/l	96
88) 1,4-Dichlorobenzene	13.533	146	13596	4.259	ug/l	92
89) n-Butylbenzene	13.786	91	19931	3.701	ug/l	96
90) Hexachloroethane	14.051	117	5444	4.420	ug/l	89
91) 1,2-Dichlorobenzene	13.833	146	11142	4.009	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.457	75	1045	5.084	ug/l	82
93) 1,2,4-Trichlorobenzene	15.098	180	7108	4.012	ug/l	95
94) Hexachlorobutadiene	15.198	225	4009	4.178	ug/l	97
95) Naphthalene	15.333	128	11883	3.740	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.522	180	5860	3.665	ug/l	98

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

