

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020425\
 Data File : VD080235.D
 Acq On : 04 Feb 2025 13:02
 Operator : RP/MD
 Sample : VD0204SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0204SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/06/2025
 Supervised By :Semsettin Yesilyurt 02/06/2025

Quant Time: Feb 05 00:39:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:44:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	120560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	198480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	104981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82737	52.758	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.520%			
35) Dibromofluoromethane	7.799	113	78025	55.467	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.940%			
50) Toluene-d8	10.269	98	296441	56.827	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.660%			
62) 4-Bromofluorobenzene	12.575	95	98284	58.719	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.440%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	31824	24.611	ug/l	99
3) Chloromethane	2.152	50	56822	22.626	ug/l	100
4) Vinyl Chloride	2.281	62	65509	21.562	ug/l	96
5) Bromomethane	2.675	94	44257	20.841	ug/l	97
6) Chloroethane	2.828	64	45316	22.394	ug/l	93
7) Trichlorofluoromethane	3.164	101	52145	20.711	ug/l	93
8) Diethyl Ether	3.593	74	14809	21.500	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.958	101	31411	21.552	ug/l	98
10) Methyl Iodide	4.164	142	29138	26.821	ug/l	99
11) Tert butyl alcohol	5.058	59	9231m	106.560	ug/l	
12) 1,1-Dichloroethene	3.934	96	27949	20.244	ug/l	95
13) Acrolein	3.799	56	16242	99.438	ug/l	97
14) Allyl chloride	4.558	41	45431	21.353	ug/l	100
15) Acrylonitrile	5.263	53	33581	101.476	ug/l	97
16) Acetone	4.028	43	26463	104.703	ug/l	96
17) Carbon Disulfide	4.264	76	101592	20.403	ug/l	97
18) Methyl Acetate	4.569	43	19353	22.693	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	61777	20.325	ug/l	96
20) Methylene Chloride	4.799	84	36044	21.015	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	33114	21.113	ug/l	98
22) Diisopropyl ether	6.216	45	96868	21.877	ug/l	97
23) Vinyl Acetate	6.158	43	269002	105.231	ug/l	100
24) 1,1-Dichloroethane	6.110	63	60863	20.969	ug/l	97
25) 2-Butanone	7.087	43	40200	102.544	ug/l	98
26) 2,2-Dichloropropane	7.081	77	51711	20.540	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	35798	20.203	ug/l	98
28) Bromochloromethane	7.422	49	25893	19.548	ug/l	95
29) Tetrahydrofuran	7.446	42	26910	104.804	ug/l	99
30) Chloroform	7.593	83	63422	21.372	ug/l	94
31) Cyclohexane	7.875	56	46406	19.972	ug/l	92
32) 1,1,1-Trichloroethane	7.787	97	50081	20.172	ug/l	98
36) 1,1-Dichloropropene	8.010	75	41912	20.802	ug/l	100
37) Ethyl Acetate	7.175	43	19850	20.092	ug/l	94
38) Carbon Tetrachloride	7.987	117	44444	21.119	ug/l	92
39) Methylcyclohexane	9.269	83	42850	19.576	ug/l	92
40) Benzene	8.252	78	133266	21.102	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	9572	17.601	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	38341	21.334	ug/l	99
43) Isopropyl Acetate	8.363	43	38233	21.805	ug/l #	87
44) Trichloroethene	9.028	130	31150	21.351	ug/l	90
45) 1,2-Dichloropropane	9.304	63	34269	21.573	ug/l	95
46) Dibromomethane	9.393	93	19574	22.117	ug/l	97
47) Bromodichloromethane	9.587	83	46862	20.998	ug/l	98
48) Methyl methacrylate	9.381	41	18822m	23.197	ug/l	
49) 1,4-Dioxane	9.393	88	4229	439.259	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	97378	109.829	ug/l	97
52) Toluene	10.334	92	82737	22.398	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	42078	22.117	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	49708	21.479	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	24615	21.406	ug/l	96
56) Ethyl methacrylate	10.598	69	27944	21.297	ug/l	94
57) 1,3-Dichloropropane	10.881	76	40823	21.463	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	61423	109.681	ug/l	97
59) 2-Hexanone	10.922	43	64034	110.061	ug/l	97
60) Dibromochloromethane	11.075	129	32088	22.639	ug/l	100
61) 1,2-Dibromoethane	11.181	107	22861	21.829	ug/l	99
64) Tetrachloroethene	10.810	164	26079	19.863	ug/l	94
65) Chlorobenzene	11.604	112	88045	20.436	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	31381	20.822	ug/l	96
67) Ethyl Benzene	11.681	91	141870	19.796	ug/l	98
68) m/p-Xylenes	11.793	106	113323	40.731	ug/l	99
69) o-Xylene	12.122	106	50691	19.980	ug/l	99
70) Styrene	12.134	104	92785	20.545	ug/l	98
71) Bromoform	12.298	173	19024	21.412	ug/l #	94
73) Isopropylbenzene	12.422	105	130864	18.429	ug/l	100
74) N-amyl acetate	12.234	43	36618	19.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	28980	19.613	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	24273m	22.859	ug/l	
77) Bromobenzene	12.698	156	35859	19.578	ug/l	99
78) n-propylbenzene	12.763	91	173693	19.212	ug/l	99
79) 2-Chlorotoluene	12.851	91	102158	19.890	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	116744	19.659	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	10160	19.565	ug/l	93
82) 4-Chlorotoluene	12.945	91	110613	20.266	ug/l	99
83) tert-Butylbenzene	13.163	119	92126	18.976	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	118680	19.634	ug/l	98
85) sec-Butylbenzene	13.345	105	146083	19.680	ug/l	99
86) p-Isopropyltoluene	13.457	119	123698	19.516	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	73165	20.281	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	74757	20.474	ug/l	100
89) n-Butylbenzene	13.787	91	121116	19.664	ug/l	97
90) Hexachloroethane	14.051	117	28443	20.191	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	64553	20.307	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4650	19.780	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	37746	18.628	ug/l	96
94) Hexachlorobutadiene	15.198	225	20651	18.818	ug/l	97
95) Naphthalene	15.334	128	64778	20.358	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	35887	19.625	ug/l	97

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

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