

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020725\
 Data File : VD080257.D
 Acq On : 07 Feb 2025 12:14
 Operator : RP/MD
 Sample : VD0207SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Manual Integrations
 APPROVED

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

Quant Time: Feb 07 23:29:08 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	116153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	193111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	183377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	100163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	69568	46.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.080%		
35) Dibromofluoromethane	7.804	113	62352	45.558	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.120%		
50) Toluene-d8	10.269	98	232655	45.839	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.680%		
62) 4-Bromofluorobenzene	12.569	95	77269	47.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	28167	22.300	ug/l	99
3) Chloromethane	2.158	50	43467	17.965	ug/l	94
4) Vinyl Chloride	2.281	62	53982	18.442	ug/l	99
5) Bromomethane	2.681	94	37800	17.367	ug/l	94
6) Chloroethane	2.834	64	37679	19.326	ug/l	98
7) Trichlorofluoromethane	3.169	101	47688	19.659	ug/l	95
8) Diethyl Ether	3.599	74	12875	19.401	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	29022	20.668	ug/l	100
10) Methyl Iodide	4.163	142	23695	23.444	ug/l	95
11) Tert butyl alcohol	5.069	59	9383	112.424	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	24997	18.793	ug/l	98
13) Acrolein	3.799	56	14779	93.914	ug/l	97
14) Allyl chloride	4.557	41	37547	18.317	ug/l	99
15) Acrylonitrile	5.257	53	30948	97.067	ug/l	94
16) Acetone	4.034	43	25126	103.185	ug/l	95
17) Carbon Disulfide	4.269	76	78334	16.329	ug/l	98
18) Methyl Acetate	4.569	43	17401	21.179	ug/l	95
19) Methyl tert-butyl Ether	5.328	73	55621	18.994	ug/l	98
20) Methylene Chloride	4.804	84	31860	19.281	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	27400	18.132	ug/l	87
22) Diisopropyl ether	6.216	45	84978	19.920	ug/l	97
23) Vinyl Acetate	6.163	43	243897	99.030	ug/l	99
24) 1,1-Dichloroethane	6.116	63	54215	19.387	ug/l	99
25) 2-Butanone	7.093	43	38559	102.090	ug/l	94
26) 2,2-Dichloropropane	7.075	77	45742	18.859	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	31895	18.683	ug/l	97
28) Bromochloromethane	7.422	49	24931	19.536	ug/l #	98
29) Tetrahydrofuran	7.457	42	24171	97.708	ug/l	96
30) Chloroform	7.598	83	57107	19.974	ug/l	99
31) Cyclohexane	7.875	56	40301	18.003	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	47431	19.829	ug/l	99
36) 1,1-Dichloropropene	8.010	75	36238	18.486	ug/l	99
37) Ethyl Acetate	7.175	43	19024m	19.791	ug/l	
38) Carbon Tetrachloride	7.993	117	40790	19.921	ug/l	85
39) Methylcyclohexane	9.275	83	37903	17.797	ug/l	93
40) Benzene	8.251	78	114835	18.689	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	10270	19.410	ug/l	93
42) 1,2-Dichloroethane	8.328	62	35792	20.470	ug/l	99
43) Isopropyl Acetate	8.357	43	34380	20.153	ug/l #	87
44) Trichloroethene	9.028	130	27353	19.270	ug/l	97
45) 1,2-Dichloropropane	9.304	63	30237	19.564	ug/l	93
46) Dibromomethane	9.392	93	18690	21.706	ug/l	91
47) Bromodichloromethane	9.581	83	45285	20.855	ug/l	95
48) Methyl methacrylate	9.381	41	14260	18.063	ug/l	97
49) 1,4-Dioxane	9.387	88	4489	479.228	ug/l	93
51) 4-Methyl-2-Pentanone	10.163	43	91638	106.229	ug/l	99
52) Toluene	10.334	92	71964	20.023	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	38397	20.743	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	43908	19.500	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	23506	21.010	ug/l	92
56) Ethyl methacrylate	10.598	69	26097	20.443	ug/l	95
57) 1,3-Dichloropropane	10.875	76	38335	20.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	60349	110.759	ug/l	99
59) 2-Hexanone	10.922	43	63073	111.423	ug/l	96
60) Dibromochloromethane	11.075	129	29983	21.742	ug/l	98
61) 1,2-Dibromoethane	11.175	107	21402	21.004	ug/l	97
64) Tetrachloroethene	10.810	164	23252	18.151	ug/l	91
65) Chlorobenzene	11.604	112	78590	18.697	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	28919	19.666	ug/l	97
67) Ethyl Benzene	11.681	91	126723	18.123	ug/l	99
68) m/p-Xylenes	11.792	106	99149	36.525	ug/l	99
69) o-Xylene	12.122	106	45556	18.403	ug/l	99
70) Styrene	12.133	104	80525	18.275	ug/l	99
71) Bromoform	12.298	173	16875	19.467	ug/l #	97
73) Isopropylbenzene	12.422	105	118013	17.419	ug/l	99
74) N-amyl acetate	12.233	43	33919	19.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	28222	20.018	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	19049m	18.802	ug/l	
77) Bromobenzene	12.698	156	31917	18.264	ug/l	96
78) n-propylbenzene	12.763	91	156348	18.126	ug/l	100
79) 2-Chlorotoluene	12.845	91	90127	18.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	105716	18.658	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	9578	19.331	ug/l	93
82) 4-Chlorotoluene	12.945	91	99585	19.123	ug/l	99
83) tert-Butylbenzene	13.163	119	82332	17.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	108202	18.762	ug/l	99
85) sec-Butylbenzene	13.345	105	133701	18.878	ug/l	100
86) p-Isopropyltoluene	13.463	119	109816	18.159	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	67013	19.469	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	67671	19.425	ug/l	98
89) n-Butylbenzene	13.786	91	106064	18.049	ug/l	98
90) Hexachloroethane	14.051	117	26536	19.744	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	57889	19.087	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4781	21.316	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	35310	18.264	ug/l	98
94) Hexachlorobutadiene	15.204	225	18555	17.721	ug/l	98
95) Naphthalene	15.327	128	61651	20.309	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	31456	18.029	ug/l	99

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

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