

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022525\
 Data File : VD080267.D
 Acq On : 25 Feb 2025 14:56
 Operator : RP/MD
 Sample : VD0225SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 02:30:03 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	102142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	169055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	166369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80077	60.269	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.540%			
35) Dibromofluoromethane	7.805	113	72745	60.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.420%			
50) Toluene-d8	10.269	98	275729	62.056	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 124.120%			
62) 4-Bromofluorobenzene	12.575	95	90025	63.146	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 126.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	16052	13.111	ug/l	93
3) Chloromethane	2.152	50	20737	9.746	ug/l	91
4) Vinyl Chloride	2.275	62	30666	11.913	ug/l	98
5) Bromomethane	2.675	94	22197	7.992	ug/l	98
6) Chloroethane	2.828	64	23893	13.936	ug/l	97
7) Trichlorofluoromethane	3.170	101	31338	14.691	ug/l	97
8) Diethyl Ether	3.587	74	8961	15.356	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.958	101	21054	17.051	ug/l	96
10) Methyl Iodide	4.158	142	14621	17.877	ug/l	98
11) Tert butyl alcohol	5.069	59	8169	111.304	ug/l #	90
12) 1,1-Dichloroethene	3.928	96	15438	13.199	ug/l	98
13) Acrolein	3.793	56	8329	60.187	ug/l	95
14) Allyl chloride	4.558	41	26256	14.566	ug/l	97
15) Acrylonitrile	5.264	53	28522	101.730	ug/l	97
16) Acetone	4.028	43	22664	105.841	ug/l	94
17) Carbon Disulfide	4.264	76	23447	5.558	ug/l #	95
18) Methyl Acetate	4.569	43	14426	19.966	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	46831	18.186	ug/l	96
20) Methylene Chloride	4.799	84	27312	18.796	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	16657	12.535	ug/l	87
22) Diisopropyl ether	6.216	45	72386	19.296	ug/l	96
23) Vinyl Acetate	6.158	43	194042	89.595	ug/l	97
24) 1,1-Dichloroethane	6.111	63	43806	17.813	ug/l	97
25) 2-Butanone	7.081	43	33826	101.844	ug/l	95
26) 2,2-Dichloropropane	7.075	77	37383	17.527	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	24816	16.531	ug/l	96
28) Bromochloromethane	7.416	49	19037	16.964	ug/l #	92
29) Tetrahydrofuran	7.452	42	20327	93.440	ug/l	100
30) Chloroform	7.593	83	50032	19.900	ug/l	89
31) Cyclohexane	7.875	56	21248	10.793	ug/l #	93
32) 1,1,1-Trichloroethane	7.787	97	38406	18.258	ug/l	98
36) 1,1-Dichloropropene	8.005	75	22984	13.393	ug/l	96
37) Ethyl Acetate	7.175	43	17474	20.765	ug/l #	97
38) Carbon Tetrachloride	7.993	117	30427	16.975	ug/l	91
39) Methylcyclohexane	9.269	83	21108	11.322	ug/l	93
40) Benzene	8.252	78	80580	14.980	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.411	41	9905	21.384	ug/l	95
42) 1,2-Dichloroethane	8.328	62	27316	17.845	ug/l	98
43) Isopropyl Acetate	8.363	43	30008	20.093	ug/l #	84
44) Trichloroethene	9.028	130	19446	15.649	ug/l	92
45) 1,2-Dichloropropane	9.305	63	24949	18.440	ug/l	93
46) Dibromomethane	9.387	93	14087	18.688	ug/l	97
47) Bromodichloromethane	9.581	83	38783	20.402	ug/l	92
48) Methyl methacrylate	9.381	41	13152	19.030	ug/l	92
49) 1,4-Dioxane	9.375	88	3453	421.083	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	83294	110.296	ug/l	98
52) Toluene	10.334	92	52000	16.527	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	32350	19.963	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	36045	18.286	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	21717	22.173	ug/l	96
56) Ethyl methacrylate	10.599	69	21923	19.617	ug/l	99
57) 1,3-Dichloropropane	10.875	76	32545	20.089	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	48061	100.759	ug/l	98
59) 2-Hexanone	10.922	43	55993	112.991	ug/l	94
60) Dibromochloromethane	11.069	129	24887	20.614	ug/l	91
61) 1,2-Dibromoethane	11.181	107	18356	20.578	ug/l	97
64) Tetrachloroethene	10.810	164	16155	13.900	ug/l	85
65) Chlorobenzene	11.604	112	64518	16.918	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	25743	19.296	ug/l	95
67) Ethyl Benzene	11.681	91	96539	15.218	ug/l	97
68) m/p-Xylenes	11.787	106	79490	32.276	ug/l	93
69) o-Xylene	12.122	106	36284	16.156	ug/l	98
70) Styrene	12.134	104	68163	17.051	ug/l	99
71) Bromoform	12.298	173	16506	20.988	ug/l #	99
73) Isopropylbenzene	12.422	105	97906	15.599	ug/l	99
74) N-amyl acetate	12.234	43	30887	18.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	27071	20.727	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	20883m	22.250	ug/l	
77) Bromobenzene	12.698	156	27928	17.251	ug/l	99
78) n-propylbenzene	12.763	91	132235	16.548	ug/l	100
79) 2-Chlorotoluene	12.846	91	77568	17.086	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	88870	16.931	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	8531	18.586	ug/l	93
82) 4-Chlorotoluene	12.946	91	85079	17.635	ug/l	100
83) tert-Butylbenzene	13.163	119	72854	16.978	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	89986	16.843	ug/l	99
85) sec-Butylbenzene	13.345	105	116431	17.746	ug/l	99
86) p-Isopropyltoluene	13.457	119	97993	17.491	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	60495	18.972	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	61870	19.170	ug/l	99
89) n-Butylbenzene	13.787	91	96594	17.743	ug/l	97
90) Hexachloroethane	14.051	117	24111	19.364	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	55003	19.576	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4512	21.714	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	33440	18.671	ug/l	99
94) Hexachlorobutadiene	15.204	225	18667	19.244	ug/l	95
95) Naphthalene	15.334	128	59658	21.166	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	29121	18.017	ug/l	100

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

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