

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080302.D
 Acq On : 13 May 2025 15:11
 Operator : RP/MD
 Sample : VD0513SBS01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/14/2025

Quant Time: May 14 01:34:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	95179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	167070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	165085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	90120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	66911	54.363	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.720%			
35) Dibromofluoromethane	7.806	113	62619	55.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.840%			
50) Toluene-d8	10.270	98	235244	53.319	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.640%			
62) 4-Bromofluorobenzene	12.570	95	74591	52.673	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	23337	24.909	ug/l	99
3) Chloromethane	2.147	50	45218	25.183	ug/l	92
4) Vinyl Chloride	2.276	62	56543	22.852	ug/l	98
5) Bromomethane	2.676	94	43226	24.269	ug/l	95
6) Chloroethane	2.824	64	42360	24.213	ug/l	98
7) Trichlorofluoromethane	3.165	101	42584	22.445	ug/l	97
8) Diethyl Ether	3.594	74	13468	22.996	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.953	101	24230	20.727	ug/l	95
10) Methyl Iodide	4.159	142	20213	16.962	ug/l	99
11) Tert butyl alcohol	5.082	59	8070	108.050	ug/l #	94
12) 1,1-Dichloroethene	3.929	96	24008	20.832	ug/l	100
13) Acrolein	3.794	56	9337	71.051	ug/l	91
14) Allyl chloride	4.553	41	34815	19.208	ug/l	97
15) Acrylonitrile	5.247	53	29245	103.866	ug/l	95
16) Acetone	4.029	43	23985	118.974	ug/l	91
17) Carbon Disulfide	4.265	76	85034	21.248	ug/l	99
18) Methyl Acetate	4.565	43	24180	30.360	ug/l	98
19) Methyl tert-butyl Ether	5.323	73	53414	21.097	ug/l	98
20) Methylene Chloride	4.800	84	33361	23.339	ug/l	94
21) trans-1,2-Dichloroethene	5.300	96	26957	21.531	ug/l	98
22) Diisopropyl ether	6.217	45	80595	21.586	ug/l	95
23) Vinyl Acetate	6.159	43	205021	94.280	ug/l	100
24) 1,1-Dichloroethane	6.112	63	51495	21.918	ug/l	99
25) 2-Butanone	7.082	43	34920	103.114	ug/l	95
26) 2,2-Dichloropropane	7.070	77	36983	19.782	ug/l	99
27) cis-1,2-Dichloroethene	7.088	96	31112	22.429	ug/l	95
28) Bromochloromethane	7.417	49	23472	21.457	ug/l #	91
29) Tetrahydrofuran	7.447	42	23907	108.270	ug/l	95
30) Chloroform	7.600	83	53072	22.652	ug/l	99
31) Cyclohexane	7.876	56	36175	18.091	ug/l	92
32) 1,1,1-Trichloroethane	7.788	97	41419	21.668	ug/l	96
36) 1,1-Dichloropropene	8.000	75	33188	19.831	ug/l	98
37) Ethyl Acetate	7.170	43	17332	19.806	ug/l	99
38) Carbon Tetrachloride	7.988	117	35923	20.583	ug/l	93
39) Methylcyclohexane	9.270	83	32932	16.958	ug/l	96
40) Benzene	8.247	78	109944	20.967	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	9706	20.042	ug/l #	86
42) 1,2-Dichloroethane	8.323	62	34125	22.459	ug/l	99
43) Isopropyl Acetate	8.364	43	31531	19.870	ug/l	98
44) Trichloroethene	9.029	130	24940	20.489	ug/l	98
45) 1,2-Dichloropropane	9.306	63	28910	21.497	ug/l	97
46) Dibromomethane	9.388	93	16593	22.662	ug/l	98
47) Bromodichloromethane	9.582	83	40658	21.877	ug/l	92
48) Methyl methacrylate	9.382	41	14631	19.405	ug/l #	90
49) 1,4-Dioxane	9.382	88	4066	467.077	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	83285	101.861	ug/l	96
52) Toluene	10.329	92	67492	21.365	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	34842	20.565	ug/l	95
54) cis-1,3-Dichloropropene	10.017	75	41752	21.266	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	21903	22.615	ug/l	98
56) Ethyl methacrylate	10.594	69	23392	19.932	ug/l #	91
57) 1,3-Dichloropropane	10.876	76	35467	22.034	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	46831	97.505	ug/l	100
59) 2-Hexanone	10.917	43	57232	101.755	ug/l	96
60) Dibromochloromethane	11.070	129	27893	22.981	ug/l	99
61) 1,2-Dibromoethane	11.176	107	19777	22.021	ug/l	98
64) Tetrachloroethene	10.805	164	22019	19.696	ug/l	90
65) Chlorobenzene	11.605	112	76220	20.448	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.682	131	26522	20.710	ug/l	97
67) Ethyl Benzene	11.682	91	115755	18.583	ug/l	96
68) m/p-Xylenes	11.788	106	95694	39.564	ug/l	96
69) o-Xylene	12.123	106	41736	18.884	ug/l	97
70) Styrene	12.135	104	79240	19.966	ug/l	98
71) Bromoform	12.294	173	16840	22.133	ug/l #	96
73) Isopropylbenzene	12.417	105	102601	17.551	ug/l	99
74) N-amyl acetate	12.229	43	27996	16.686	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.670	83	27110	21.088	ug/l	96
76) 1,2,3-Trichloropropane	12.723	75	16738m	19.244	ug/l	
77) Bromobenzene	12.699	156	29682	19.574	ug/l	96
78) n-propylbenzene	12.758	91	134576	18.344	ug/l	100
79) 2-Chlorotoluene	12.847	91	81739	19.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	95239	19.101	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.464	75	8774	19.148	ug/l	96
82) 4-Chlorotoluene	12.946	91	90753	19.702	ug/l	98
83) tert-Butylbenzene	13.164	119	74591	17.927	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	97028	19.019	ug/l	99
85) sec-Butylbenzene	13.341	105	114737	17.882	ug/l	99
86) p-Isopropyltoluene	13.458	119	96213	17.842	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	62356	19.718	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	64239	20.150	ug/l	99
89) n-Butylbenzene	13.782	91	92984	17.763	ug/l	96
90) Hexachloroethane	14.046	117	22853	19.153	ug/l	98
91) 1,2-Dichlorobenzene	13.823	146	54580	19.868	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3800	18.547	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	32678	18.915	ug/l	99
94) Hexachlorobutadiene	15.199	225	16228	18.055	ug/l	96
95) Naphthalene	15.329	128	59025	18.196	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	29406	19.031	ug/l	97

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

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