

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080379.D
 Acq On : 16 May 2025 19:02
 Operator : RP/MD
 Sample : VD0516SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:23:48 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	116919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	141813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	128494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	70684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	75793	50.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.260%			
35) Dibromofluoromethane	7.806	113	72371	76.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 152.280%#			
50) Toluene-d8	10.270	98	183902	49.106	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.220%			
62) 4-Bromofluorobenzene	12.570	95	60607	50.420	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	26815	22.863	ug/l	96
3) Chloromethane	2.147	50	40513	16.873	ug/l	96
4) Vinyl Chloride	2.288	62	48999	16.121	ug/l	97
5) Bromomethane	2.688	94	34988	15.992	ug/l	97
6) Chloroethane	2.835	64	35507	16.522	ug/l	96
7) Trichlorofluoromethane	3.176	101	47547	20.401	ug/l	96
8) Diethyl Ether	3.588	74	13536	18.815	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.965	101	20945	14.586	ug/l	94
10) Methyl Iodide	4.159	142	22363	15.277	ug/l	98
11) Tert butyl alcohol	5.065	59	5382	58.661	ug/l #	88
12) 1,1-Dichloroethene	3.947	96	19645	13.876	ug/l	89
13) Acrolein	3.800	56	4534	28.087	ug/l	98
14) Allyl chloride	4.565	41	24600	11.049	ug/l	88
15) Acrylonitrile	5.247	53	19976	57.754	ug/l	94
16) Acetone	4.024	43	16742	58.572	ug/l	94
17) Carbon Disulfide	4.276	76	63732	12.964	ug/l	99
18) Methyl Acetate	4.571	43	15232	15.569	ug/l	92
19) Methyl tert-butyl Ether	5.318	73	42343	13.615	ug/l	100
20) Methylene Chloride	4.800	84	28355	14.872	ug/l	95
21) trans-1,2-Dichloroethene	5.312	96	21056	13.691	ug/l	98
22) Diisopropyl ether	6.223	45	77616	16.923	ug/l #	97
23) Vinyl Acetate	6.159	43	201537	75.446	ug/l	100
24) 1,1-Dichloroethane	6.112	63	55573	19.255	ug/l	99
25) 2-Butanone	7.082	43	37879	91.053	ug/l	97
26) 2,2-Dichloropropane	7.070	77	45684	19.892	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	37100	21.773	ug/l	99
28) Bromochloromethane	7.429	49	25902	19.275	ug/l	100
29) Tetrahydrofuran	7.453	42	26336	97.093	ug/l	98
30) Chloroform	7.594	83	62945	21.870	ug/l	97
31) Cyclohexane	7.882	56	44195	17.992	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	52182	22.223	ug/l	98
36) 1,1-Dichloropropene	8.012	75	39823	28.034	ug/l	99
37) Ethyl Acetate	7.170	43	19552	26.322	ug/l	95
38) Carbon Tetrachloride	7.988	117	43891	29.627	ug/l	97
39) Methylcyclohexane	9.276	83	27352	16.593	ug/l	96
40) Benzene	8.253	78	125591	28.217	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	7537	18.335	ug/l #	72
42) 1,2-Dichloroethane	8.329	62	36400	28.223	ug/l	97
43) Isopropyl Acetate	8.364	43	33054	24.540	ug/l	97
44) Trichloroethene	9.029	130	21026	20.350	ug/l	96
45) 1,2-Dichloropropane	9.306	63	21282	18.644	ug/l	95
46) Dibromomethane	9.394	93	12792	20.582	ug/l	99
47) Bromodichloromethane	9.582	83	32415	20.548	ug/l	96
48) Methyl methacrylate	9.376	41	11253	17.583	ug/l	97
49) 1,4-Dioxane	9.382	88	3025	409.382	ug/l #	87
51) 4-Methyl-2-Pentanone	10.158	43	58738	84.634	ug/l	96
52) Toluene	10.329	92	53667	20.014	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	26058	18.120	ug/l	90
54) cis-1,3-Dichloropropene	10.017	75	31121	18.675	ug/l	94
55) 1,1,2-Trichloroethane	10.729	97	16821	20.461	ug/l	98
56) Ethyl methacrylate	10.600	69	18375	18.445	ug/l	98
57) 1,3-Dichloropropane	10.876	76	27270	19.959	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	36496	89.521	ug/l	98
59) 2-Hexanone	10.923	43	38575	80.799	ug/l	97
60) Dibromochloromethane	11.070	129	22131	21.481	ug/l	100
61) 1,2-Dibromoethane	11.176	107	16111	21.134	ug/l	96
64) Tetrachloroethene	10.811	164	19176	22.038	ug/l	96
65) Chlorobenzene	11.605	112	60076	20.706	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.676	131	21377	21.446	ug/l	97
67) Ethyl Benzene	11.682	91	93952	19.378	ug/l	99
68) m/p-Xylenes	11.794	106	75656	40.187	ug/l	99
69) o-Xylene	12.117	106	33675	19.575	ug/l	96
70) Styrene	12.129	104	61605	19.943	ug/l	98
71) Bromoform	12.300	173	13243	22.362	ug/l #	98
73) Isopropylbenzene	12.417	105	86762	18.922	ug/l	100
74) N-amyl acetate	12.229	43	20246	15.385	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.670	83	20942	20.770	ug/l	93
76) 1,2,3-Trichloropropane	12.723	75	15265m	22.376	ug/l	
77) Bromobenzene	12.700	156	24995	21.016	ug/l	96
78) n-propylbenzene	12.758	91	111768	19.424	ug/l	98
79) 2-Chlorotoluene	12.847	91	66009	19.722	ug/l	97
80) 1,3,5-Trimethylbenzene	12.900	105	76888	19.661	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	6405	17.822	ug/l	94
82) 4-Chlorotoluene	12.947	91	70084	19.399	ug/l	97
83) tert-Butylbenzene	13.164	119	61925	18.975	ug/l	97
84) 1,2,4-Trimethylbenzene	13.211	105	78347	19.580	ug/l	100
85) sec-Butylbenzene	13.341	105	96828	19.240	ug/l	98
86) p-Isopropyltoluene	13.458	119	81657	19.306	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	48319	19.481	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	49227	19.687	ug/l	99
89) n-Butylbenzene	13.788	91	77145	18.789	ug/l	98
90) Hexachloroethane	14.047	117	19293	20.616	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	44524	20.664	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3436	21.382	ug/l	96
93) 1,2,4-Trichlorobenzene	15.099	180	33493	24.718	ug/l	98
94) Hexachlorobutadiene	15.199	225	18337	26.012	ug/l	96
95) Naphthalene	15.329	128	64702	25.430	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	31591	26.067	ug/l	98

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

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