

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080362.D
 Acq On : 16 May 2025 11:03
 Operator : RP/MD
 Sample : VD0516SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 17 01:16:20 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	69189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	113744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	159822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	60838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	43279	48.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.740%		
35) Dibromofluoromethane	7.805	113	42206	55.363	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	110.720%		
50) Toluene-d8	10.270	98	159724	53.175	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	106.340%		
62) 4-Bromofluorobenzene	12.570	95	50338	52.212	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	18990	28.690	ug/l	98
3) Chloromethane	2.147	50	37892	29.874	ug/l	91
4) Vinyl Chloride	2.288	62	42912	23.857	ug/l	96
5) Bromomethane	2.694	94	36955	28.543	ug/l	98
6) Chloroethane	2.841	64	33694	26.494	ug/l	95
7) Trichlorofluoromethane	3.176	101	41316	29.956	ug/l	89
8) Diethyl Ether	3.594	74	12723	29.884	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.970	101	19811	23.313	ug/l	98
10) Methyl Iodide	4.164	142	17225	19.885	ug/l	96
11) Tert butyl alcohol	5.052	59	4467	82.275	ug/l #	89
12) 1,1-Dichloroethene	3.941	96	18780	22.417	ug/l	90
13) Acrolein	3.800	56	5983	62.631	ug/l	96
14) Allyl chloride	4.564	41	22403	17.003	ug/l	94
15) Acrylonitrile	5.258	53	17368	84.854	ug/l	95
16) Acetone	4.023	43	13575	88.158	ug/l	96
17) Carbon Disulfide	4.276	76	54643	18.783	ug/l	98
18) Methyl Acetate	4.564	43	9968	17.217	ug/l	95
19) Methyl tert-butyl Ether	5.329	73	33591	18.251	ug/l	99
20) Methylene Chloride	4.805	84	21948	20.729	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	18126	19.916	ug/l	92
22) Diisopropyl ether	6.223	45	50558	18.628	ug/l	97
23) Vinyl Acetate	6.158	43	132390	83.750	ug/l	97
24) 1,1-Dichloroethane	6.111	63	33950	19.878	ug/l	98
25) 2-Butanone	7.082	43	25301	102.774	ug/l	90
26) 2,2-Dichloropropane	7.076	77	32555	23.955	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	24713	24.508	ug/l	98
28) Bromochloromethane	7.429	49	17976	22.605	ug/l #	99
29) Tetrahydrofuran	7.441	42	16840	104.913	ug/l	98
30) Chloroform	7.594	83	43219	25.375	ug/l	99
31) Cyclohexane	7.882	56	23567	16.213	ug/l #	93
32) 1,1,1-Trichloroethane	7.793	97	29476	21.213	ug/l	99
36) 1,1-Dichloropropene	8.011	75	22717	19.938	ug/l	99
37) Ethyl Acetate	7.170	43	13403	22.496	ug/l	98
38) Carbon Tetrachloride	7.988	117	25329	21.317	ug/l	93
39) Methylcyclohexane	9.270	83	23242	17.580	ug/l	96
40) Benzene	8.252	78	72324	20.259	ug/l	97

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	6528	19.800	ug/l	91
42) 1,2-Dichloroethane	8.329	62	20404	19.724	ug/l	97
43) Isopropyl Acetate	8.364	43	18331	16.967	ug/l #	85
44) Trichloroethene	9.029	130	17587	21.222	ug/l	99
45) 1,2-Dichloropropane	9.305	63	18779	20.510	ug/l #	86
46) Dibromomethane	9.388	93	10658	21.380	ug/l	100
47) Bromodichloromethane	9.588	83	26872	21.238	ug/l #	96
48) Methyl methacrylate	9.382	41	8836	17.213	ug/l #	93
49) 1,4-Dioxane	9.388	88	1889	318.730	ug/l #	80
51) 4-Methyl-2-Pentanone	10.158	43	47900	86.050	ug/l	99
52) Toluene	10.335	92	45401	21.110	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	23525	20.395	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	26724	19.993	ug/l	95
55) 1,1,2-Trichloroethane	10.735	97	13706	20.786	ug/l	96
56) Ethyl methacrylate	10.599	69	14205	17.778	ug/l	95
57) 1,3-Dichloropropane	10.882	76	28392	25.908	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.870	63	30244	92.492	ug/l	100
59) 2-Hexanone	10.923	43	41149	107.460	ug/l	95
60) Dibromochloromethane	11.070	129	24464	29.605	ug/l	98
61) 1,2-Dibromoethane	11.176	107	15452	25.272	ug/l	90
64) Tetrachloroethene	10.805	164	17649	16.307	ug/l	95
65) Chlorobenzene	11.605	112	73754	20.438	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	25600	20.648	ug/l	94
67) Ethyl Benzene	11.682	91	111431	18.478	ug/l	92
68) m/p-Xylenes	11.793	106	81224	34.688	ug/l	99
69) o-Xylene	12.123	106	35244	16.471	ug/l	95
70) Styrene	12.134	104	66077	17.198	ug/l	99
71) Bromoform	12.299	173	10649	14.457	ug/l #	98
73) Isopropylbenzene	12.417	105	71215	18.045	ug/l	98
74) N-amyl acetate	12.234	43	18585	16.408	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	16275	18.753	ug/l	100
76) 1,2,3-Trichloropropane	12.717	75	10488m	17.862	ug/l	
77) Bromobenzene	12.699	156	19294	18.848	ug/l	95
78) n-propylbenzene	12.764	91	91805	18.537	ug/l	99
79) 2-Chlorotoluene	12.846	91	55119	19.134	ug/l	100
80) 1,3,5-Trimethylbenzene	12.905	105	63117	18.751	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.470	75	5207	16.833	ug/l	92
82) 4-Chlorotoluene	12.946	91	60880	19.578	ug/l	98
83) tert-Butylbenzene	13.164	119	51617	18.377	ug/l	97
84) 1,2,4-Trimethylbenzene	13.211	105	66292	19.249	ug/l	99
85) sec-Butylbenzene	13.340	105	80451	18.573	ug/l	100
86) p-Isopropyltoluene	13.458	119	66920	18.383	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	41955	19.653	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	41385	19.229	ug/l	96
89) n-Butylbenzene	13.787	91	63139	17.867	ug/l	98
90) Hexachloroethane	14.052	117	16175	20.081	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	36777	19.831	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2812	20.331	ug/l	90
93) 1,2,4-Trichlorobenzene	15.093	180	20918	17.936	ug/l	98
94) Hexachlorobutadiene	15.199	225	11399	18.787	ug/l	95
95) Naphthalene	15.323	128	34394	15.706	ug/l	96
96) 1,2,3-Trichlorobenzene	15.517	180	19073	18.285	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

