

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080338.D
 Acq On : 15 May 2025 10:21
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 02:51:00 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	128836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	202771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	187678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	101416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	73230	43.954	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.900%		
35) Dibromofluoromethane	7.805	113	70816	52.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.220%		
50) Toluene-d8	10.270	98	278482	52.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.020%		
62) 4-Bromofluorobenzene	12.570	95	86690	50.439	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	77362	70.793	ug/l	99
3) Chloromethane	2.153	50	116522	52.932	ug/l	94
4) Vinyl Chloride	2.288	62	141980	42.390	ug/l	98
5) Bromomethane	2.700	94	97463	40.426	ug/l	99
6) Chloroethane	2.841	64	94882	40.066	ug/l	96
7) Trichlorofluoromethane	3.182	101	136730	53.239	ug/l	96
8) Diethyl Ether	3.600	74	39350	49.636	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.970	101	82415	52.084	ug/l	99
10) Methyl Iodide	4.164	142	96628	59.905	ug/l	100
11) Tert butyl alcohol	5.047	59	21584	213.494	ug/l #	85
12) 1,1-Dichloroethene	3.947	96	82001	52.564	ug/l	95
13) Acrolein	3.800	56	14848	83.471	ug/l	97
14) Allyl chloride	4.564	41	123638	50.393	ug/l	96
15) Acrylonitrile	5.253	53	88678	232.670	ug/l	99
16) Acetone	4.023	43	92231	363.471	ug/l	97
17) Carbon Disulfide	4.276	76	285685	52.737	ug/l	99
18) Methyl Acetate	4.564	43	44482	41.261	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	179284	52.313	ug/l	96
20) Methylene Chloride	4.800	84	97656	55.289	ug/l	89
21) trans-1,2-Dichloroethene	5.317	96	92237	54.425	ug/l	98
22) Diisopropyl ether	6.211	45	263793	52.195	ug/l	96
23) Vinyl Acetate	6.158	43	765416	260.031	ug/l	98
24) 1,1-Dichloroethane	6.117	63	163719	51.479	ug/l	100
25) 2-Butanone	7.082	43	116269	253.635	ug/l	99
26) 2,2-Dichloropropane	7.076	77	138657	54.791	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	101674	54.150	ug/l	97
28) Bromochloromethane	7.429	49	62818	42.423	ug/l	91
29) Tetrahydrofuran	7.441	42	71142	238.020	ug/l	98
30) Chloroform	7.594	83	160420	50.582	ug/l	96
31) Cyclohexane	7.876	56	139369	51.490	ug/l	99
32) 1,1,1-Trichloroethane	7.794	97	142456	55.056	ug/l	98
36) 1,1-Dichloropropene	8.011	75	118894	58.536	ug/l	98
37) Ethyl Acetate	7.164	43	51345	48.343	ug/l	98
38) Carbon Tetrachloride	7.994	117	122305	57.739	ug/l	93
39) Methylcyclohexane	9.276	83	143995	61.095	ug/l	98
40) Benzene	8.252	78	359149	56.433	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	29167	49.624	ug/l	95
42) 1,2-Dichloroethane	8.329	62	96794	52.487	ug/l	100
43) Isopropyl Acetate	8.358	43	97631	50.692	ug/l	98
44) Trichloroethene	9.029	130	85583	57.931	ug/l	93
45) 1,2-Dichloropropane	9.299	63	88762	54.382	ug/l	95
46) Dibromomethane	9.394	93	48775	54.886	ug/l	98
47) Bromodichloromethane	9.582	83	125073	55.451	ug/l	100
48) Methyl methacrylate	9.382	41	48613	53.123	ug/l	93
49) 1,4-Dioxane	9.388	88	9591	907.773	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	258886	260.882	ug/l	96
52) Toluene	10.335	92	221780	57.844	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	114119	55.498	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	135811	56.996	ug/l	96
55) 1,1,2-Trichloroethane	10.735	97	62836	53.455	ug/l	95
56) Ethyl methacrylate	10.594	69	80429	56.465	ug/l	99
57) 1,3-Dichloropropane	10.876	76	107008	54.774	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	155362	266.522	ug/l	98
59) 2-Hexanone	10.917	43	182260	266.994	ug/l	99
60) Dibromochloromethane	11.070	129	80459	54.618	ug/l	98
61) 1,2-Dibromoethane	11.182	107	59535	54.619	ug/l	99
64) Tetrachloroethene	10.811	164	74356	58.506	ug/l	98
65) Chlorobenzene	11.605	112	232686	54.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.682	131	81141	55.732	ug/l	99
67) Ethyl Benzene	11.682	91	415083	58.613	ug/l	98
68) m/p-Xylenes	11.793	106	330823	120.312	ug/l	99
69) o-Xylene	12.117	106	149320	59.427	ug/l	96
70) Styrene	12.135	104	265611	58.870	ug/l	99
71) Bromoform	12.299	173	46690	53.977	ug/l #	98
73) Isopropylbenzene	12.417	105	389378	59.188	ug/l	100
74) N-amyl acetate	12.229	43	97199	51.479	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	71381	49.341	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	54628m	55.811	ug/l	
77) Bromobenzene	12.699	156	92008	53.918	ug/l	96
78) n-propylbenzene	12.758	91	494888	59.945	ug/l	100
79) 2-Chlorotoluene	12.846	91	278417	57.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	330481	58.898	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.464	75	27581	53.487	ug/l	99
82) 4-Chlorotoluene	12.946	91	291908	56.313	ug/l	99
83) tert-Butylbenzene	13.164	119	277397	59.243	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	337550	58.796	ug/l	99
85) sec-Butylbenzene	13.340	105	428165	59.298	ug/l	100
86) p-Isopropyltoluene	13.458	119	363065	59.828	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	194723	54.717	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	188790	52.622	ug/l	98
89) n-Butylbenzene	13.787	91	349615	59.348	ug/l	99
90) Hexachloroethane	14.052	117	72348	53.882	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	168185	54.404	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.440	75	11973	51.928	ug/l	91
93) 1,2,4-Trichlorobenzene	15.099	180	104633	53.819	ug/l	99
94) Hexachlorobutadiene	15.199	225	56239	55.602	ug/l	100
95) Naphthalene	15.329	128	191844	52.553	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	93558	53.806	ug/l	99

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

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