

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080336.D
 Acq On : 14 May 2025 21:58
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:41:11 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	105953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	167283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	161197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	91222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	65877	48.080	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.160%		
35) Dibromofluoromethane	7.806	113	63260	56.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	112.840%		
50) Toluene-d8	10.270	98	238359	53.956	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	107.920%		
62) 4-Bromofluorobenzene	12.570	95	77493	54.653	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	109.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	43982	46.854	ug/l	96
3) Chloromethane	2.153	50	76729	41.283	ug/l	90
4) Vinyl Chloride	2.288	62	96018	34.859	ug/l	98
5) Bromomethane	2.700	94	70624	35.620	ug/l	100
6) Chloroethane	2.841	64	73106	37.538	ug/l	97
7) Trichlorofluoromethane	3.182	101	103639	49.070	ug/l	99
8) Diethyl Ether	3.594	74	33744	51.758	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.976	101	65022	49.967	ug/l	98
10) Methyl Iodide	4.165	142	78168	58.927	ug/l	97
11) Tert butyl alcohol	5.053	59	19413	233.491	ug/l #	91
12) 1,1-Dichloroethene	3.947	96	62143	48.438	ug/l	92
13) Acrolein	3.800	56	12349	84.416	ug/l	98
14) Allyl chloride	4.570	41	90093	44.651	ug/l	94
15) Acrylonitrile	5.259	53	78921	251.792	ug/l	98
16) Acetone	4.023	43	58297	278.404	ug/l	97
17) Carbon Disulfide	4.276	76	199238	44.722	ug/l	100
18) Methyl Acetate	4.565	43	48392	54.582	ug/l	98
19) Methyl tert-butyl Ether	5.317	73	162026	57.488	ug/l	97
20) Methylene Chloride	4.800	84	85344	59.014	ug/l	98
21) trans-1,2-Dichloroethene	5.312	96	75366	54.075	ug/l	97
22) Diisopropyl ether	6.212	45	221017	53.176	ug/l	100
23) Vinyl Acetate	6.159	43	616680	254.748	ug/l	100
24) 1,1-Dichloroethane	6.112	63	136384	52.146	ug/l	98
25) 2-Butanone	7.082	43	93953	249.219	ug/l	96
26) 2,2-Dichloropropane	7.076	77	100613	48.345	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	86832	56.233	ug/l	97
28) Bromochloromethane	7.429	49	55652	45.700	ug/l	97
29) Tetrahydrofuran	7.441	42	66526	270.647	ug/l	98
30) Chloroform	7.600	83	146121	56.024	ug/l	99
31) Cyclohexane	7.882	56	100514	45.155	ug/l	93
32) 1,1,1-Trichloroethane	7.794	97	116261	54.636	ug/l	98
36) 1,1-Dichloropropene	8.011	75	93518	55.810	ug/l	98
37) Ethyl Acetate	7.170	43	46486	53.053	ug/l	96
38) Carbon Tetrachloride	7.994	117	102341	58.563	ug/l	97
39) Methylcyclohexane	9.276	83	104639	53.815	ug/l	99
40) Benzene	8.253	78	300835	57.298	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	25348	52.275	ug/l	97
42) 1,2-Dichloroethane	8.323	62	87429	57.466	ug/l	100
43) Isopropyl Acetate	8.359	43	86590	54.497	ug/l	99
44) Trichloroethene	9.029	130	70079	57.500	ug/l	91
45) 1,2-Dichloropropane	9.306	63	78016	57.938	ug/l	98
46) Dibromomethane	9.394	93	46531	63.469	ug/l	95
47) Bromodichloromethane	9.582	83	111990	60.183	ug/l	100
48) Methyl methacrylate	9.382	41	43766	57.972	ug/l	95
49) 1,4-Dioxane	9.388	88	9375	1075.571	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	238845	291.747	ug/l	97
52) Toluene	10.335	92	191806	60.639	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	100862	59.457	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	114404	58.197	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	60908	62.807	ug/l	96
56) Ethyl methacrylate	10.594	69	74949	63.781	ug/l	97
57) 1,3-Dichloropropane	10.876	76	100204	62.172	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	130696	271.772	ug/l	99
59) 2-Hexanone	10.917	43	164107	291.401	ug/l	100
60) Dibromochloromethane	11.076	129	77861	64.067	ug/l	97
61) 1,2-Dibromoethane	11.182	107	56528	62.862	ug/l	100
64) Tetrachloroethene	10.811	164	62732	57.468	ug/l	96
65) Chlorobenzene	11.605	112	210702	57.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.682	131	76250	60.976	ug/l	96
67) Ethyl Benzene	11.682	91	361667	59.460	ug/l	97
68) m/p-Xylenes	11.794	106	284594	120.502	ug/l	98
69) o-Xylene	12.117	106	130605	60.518	ug/l	98
70) Styrene	12.135	104	241776	62.390	ug/l	99
71) Bromoform	12.294	173	46983	63.238	ug/l #	98
73) Isopropylbenzene	12.417	105	335241	56.653	ug/l	100
74) N-amyl acetate	12.229	43	84759	49.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	72701	55.869	ug/l	97
76) 1,2,3-Trichloropropane	12.723	75	52659m	59.812	ug/l	
77) Bromobenzene	12.699	156	87295	56.873	ug/l	97
78) n-propylbenzene	12.758	91	426480	57.431	ug/l	99
79) 2-Chlorotoluene	12.847	91	248614	57.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	297026	58.851	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	25506	54.991	ug/l	97
82) 4-Chlorotoluene	12.941	91	266570	57.172	ug/l	99
83) tert-Butylbenzene	13.164	119	244701	58.101	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	307575	59.562	ug/l	99
85) sec-Butylbenzene	13.341	105	367826	56.634	ug/l	99
86) p-Isopropyltoluene	13.458	119	321761	58.947	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	182460	57.000	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	181429	56.222	ug/l	98
89) n-Butylbenzene	13.782	91	302547	57.097	ug/l	99
90) Hexachloroethane	14.052	117	69678	57.692	ug/l	96
91) 1,2-Dichlorobenzene	13.829	146	161753	58.170	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.441	75	11828	57.032	ug/l	93
93) 1,2,4-Trichlorobenzene	15.093	180	102618	58.681	ug/l	99
94) Hexachlorobutadiene	15.199	225	51110	56.178	ug/l	98
95) Naphthalene	15.329	128	193157	58.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	94346	60.322	ug/l	98

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

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