

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080317.D
 Acq On : 14 May 2025 12:25
 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 05/15/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:32:27 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	122311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	190669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	180076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	99603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	70263	44.423	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.840%		
35) Dibromofluoromethane	7.806	113	66257	51.847	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.700%		
50) Toluene-d8	10.270	98	259287	51.495	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.980%		
62) 4-Bromofluorobenzene	12.570	95	83786	51.843	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	53356	49.582	ug/l	99
3) Chloromethane	2.153	50	99551	47.083	ug/l	97
4) Vinyl Chloride	2.282	62	139030	43.724	ug/l	100
5) Bromomethane	2.688	94	95302	41.638	ug/l	99
6) Chloroethane	2.835	64	103509	46.041	ug/l	94
7) Trichlorofluoromethane	3.171	101	123085	50.483	ug/l	98
8) Diethyl Ether	3.594	74	36321	48.260	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.959	101	75154	50.029	ug/l	99
10) Methyl Iodide	4.165	142	83443	54.490	ug/l	99
11) Tert butyl alcohol	5.070	59	21116	220.008	ug/l	99
12) 1,1-Dichloroethene	3.941	96	73509	49.635	ug/l	92
13) Acrolein	3.800	56	14663	86.829	ug/l	99
14) Allyl chloride	4.553	41	111408	47.831	ug/l	100
15) Acrylonitrile	5.259	53	86708	239.638	ug/l	99
16) Acetone	4.029	43	77842	322.964	ug/l	100
17) Carbon Disulfide	4.271	76	236209	45.930	ug/l	98
18) Methyl Acetate	4.565	43	43345	42.351	ug/l	97
19) Methyl tert-butyl Ether	5.318	73	174124	53.518	ug/l	99
20) Methylene Chloride	4.800	84	88943	52.874	ug/l	89
21) trans-1,2-Dichloroethene	5.312	96	82809	51.469	ug/l	98
22) Diisopropyl ether	6.217	45	247650	51.615	ug/l	98
23) Vinyl Acetate	6.159	43	723477	258.895	ug/l	98
24) 1,1-Dichloroethane	6.112	63	151012	50.017	ug/l	98
25) 2-Butanone	7.082	43	109254	251.047	ug/l	98
26) 2,2-Dichloropropane	7.076	77	128841	53.628	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	94485	53.005	ug/l	96
28) Bromochloromethane	7.423	49	58777	41.811	ug/l #	95
29) Tetrahydrofuran	7.447	42	70004	246.707	ug/l	99
30) Chloroform	7.600	83	157029	52.154	ug/l	98
31) Cyclohexane	7.876	56	124370	48.400	ug/l	96
32) 1,1,1-Trichloroethane	7.794	97	132391	53.896	ug/l	98
36) 1,1-Dichloropropene	8.006	75	110616	57.917	ug/l	97
37) Ethyl Acetate	7.170	43	51554	51.620	ug/l	98
38) Carbon Tetrachloride	7.994	117	115458	57.966	ug/l	93
39) Methylcyclohexane	9.270	83	129696	58.521	ug/l	95
40) Benzene	8.253	78	332854	55.621	ug/l	99

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	26506	47.959	ug/l	96
42) 1,2-Dichloroethane	8.329	62	94135	54.285	ug/l	100
43) Isopropyl Acetate	8.364	43	93437	51.594	ug/l #	86
44) Trichloroethene	9.029	130	79582	57.288	ug/l	92
45) 1,2-Dichloropropane	9.306	63	87507	57.016	ug/l	96
46) Dibromomethane	9.394	93	48130	57.598	ug/l	95
47) Bromodichloromethane	9.582	83	119153	56.179	ug/l #	95
48) Methyl methacrylate	9.382	41	47370	55.050	ug/l	95
49) 1,4-Dioxane	9.382	88	11027	1109.933	ug/l	97
51) 4-Methyl-2-Pentanone	10.158	43	254880	273.148	ug/l	97
52) Toluene	10.335	92	212721	59.003	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	107644	55.672	ug/l	91
54) cis-1,3-Dichloropropene	10.017	75	129329	57.720	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	63444	57.398	ug/l	96
56) Ethyl methacrylate	10.600	69	78031	58.259	ug/l	97
57) 1,3-Dichloropropane	10.876	76	106537	57.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	141807	258.709	ug/l	98
59) 2-Hexanone	10.917	43	181558	282.846	ug/l	98
60) Dibromochloromethane	11.070	129	83105	59.995	ug/l	100
61) 1,2-Dibromoethane	11.176	107	58985	57.549	ug/l	99
64) Tetrachloroethene	10.811	164	70626	57.917	ug/l	97
65) Chlorobenzene	11.605	112	225083	55.357	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.676	131	79213	56.704	ug/l	99
67) Ethyl Benzene	11.682	91	401088	59.028	ug/l	98
68) m/p-Xylenes	11.794	106	321783	121.965	ug/l	99
69) o-Xylene	12.117	106	142913	59.279	ug/l	97
70) Styrene	12.135	104	260369	60.144	ug/l	99
71) Bromoform	12.300	173	48273	58.163	ug/l #	98
73) Isopropylbenzene	12.417	105	378914	58.646	ug/l	99
74) N-amyl acetate	12.235	43	95686	51.600	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	74716	52.586	ug/l	97
76) 1,2,3-Trichloropropane	12.723	75	45245m	47.066	ug/l	
77) Bromobenzene	12.700	156	94867	56.606	ug/l	99
78) n-propylbenzene	12.758	91	490275	60.467	ug/l	99
79) 2-Chlorotoluene	12.847	91	272365	57.750	ug/l	100
80) 1,3,5-Trimethylbenzene	12.905	105	329924	59.869	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.470	75	28263	55.808	ug/l	99
82) 4-Chlorotoluene	12.947	91	291672	57.292	ug/l	99
83) tert-Butylbenzene	13.164	119	274878	59.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	341142	60.503	ug/l	99
85) sec-Butylbenzene	13.341	105	427296	60.255	ug/l	99
86) p-Isopropyltoluene	13.458	119	370143	62.104	ug/l	98
87) 1,3-Dichlorobenzene	13.458	146	197930	56.630	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	193018	54.780	ug/l	99
89) n-Butylbenzene	13.782	91	349141	60.346	ug/l	99
90) Hexachloroethane	14.052	117	73074	55.413	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	172501	56.816	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	11927	52.670	ug/l	95
93) 1,2,4-Trichlorobenzene	15.093	180	108609	56.881	ug/l	99
94) Hexachlorobutadiene	15.199	225	57347	57.730	ug/l	99
95) Naphthalene	15.329	128	197842	55.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	95576	55.967	ug/l	99

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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

