

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080358.D
 Acq On : 15 May 2025 19:28
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 16 03:03:59 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	140204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	226662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	210667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	111681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	87529	48.276	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.560%		
35) Dibromofluoromethane	7.811	113	81963	53.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.900%		
50) Toluene-d8	10.270	98	318596	53.226	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	106.460%		
62) 4-Bromofluorobenzene	12.570	95	103843	54.050	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	108.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	77644	64.765	ug/l	99
3) Chloromethane	2.153	50	106178	43.424	ug/l	96
4) Vinyl Chloride	2.288	62	129356	35.490	ug/l	99
5) Bromomethane	2.694	94	91392	34.834	ug/l	98
6) Chloroethane	2.841	64	89570	34.756	ug/l	95
7) Trichlorofluoromethane	3.176	101	134800	48.232	ug/l	99
8) Diethyl Ether	3.594	74	44481	51.559	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.970	101	85546	49.679	ug/l	96
10) Methyl Iodide	4.164	142	93959	53.527	ug/l	99
11) Tert butyl alcohol	5.047	59	24751	224.970	ug/l #	89
12) 1,1-Dichloroethene	3.947	96	79876	47.051	ug/l	91
13) Acrolein	3.800	56	13860	71.599	ug/l	95
14) Allyl chloride	4.564	41	122676	45.947	ug/l	98
15) Acrylonitrile	5.258	53	96764	233.300	ug/l	98
16) Acetone	4.029	43	71894	258.851	ug/l	96
17) Carbon Disulfide	4.276	76	278193	47.190	ug/l	100
18) Methyl Acetate	4.564	43	62773	53.506	ug/l	98
19) Methyl tert-butyl Ether	5.323	73	197881	53.058	ug/l	100
20) Methylene Chloride	4.800	84	106842	55.607	ug/l	95
21) trans-1,2-Dichloroethene	5.317	96	92662	50.243	ug/l	95
22) Diisopropyl ether	6.211	45	274125	49.841	ug/l	96
23) Vinyl Acetate	6.158	43	761100	237.600	ug/l	97
24) 1,1-Dichloroethane	6.117	63	169325	48.925	ug/l	99
25) 2-Butanone	7.082	43	119208	238.962	ug/l	97
26) 2,2-Dichloropropane	7.076	77	130387	47.346	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	105613	51.687	ug/l	98
28) Bromochloromethane	7.429	49	68731	42.652	ug/l	93
29) Tetrahydrofuran	7.447	42	79776	245.266	ug/l	99
30) Chloroform	7.594	83	173456	50.258	ug/l	100
31) Cyclohexane	7.882	56	136037	46.184	ug/l	99
32) 1,1,1-Trichloroethane	7.794	97	139923	49.692	ug/l	98
36) 1,1-Dichloropropene	8.011	75	121276	53.415	ug/l	97
37) Ethyl Acetate	7.170	43	53384	44.965	ug/l	99
38) Carbon Tetrachloride	7.994	117	123160	52.014	ug/l	96
39) Methylcyclohexane	9.276	83	139531	52.961	ug/l	97
40) Benzene	8.252	78	369255	51.905	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.429	41	38708m	58.915	ug/l	
42) 1,2-Dichloroethane	8.329	62	102466	49.706	ug/l	99
43) Isopropyl Acetate	8.364	43	104075	48.342	ug/l	98
44) Trichloroethene	9.029	130	86819	52.573	ug/l	98
45) 1,2-Dichloropropane	9.305	63	93667	51.338	ug/l	96
46) Dibromomethane	9.394	93	52337	52.687	ug/l	98
47) Bromodichloromethane	9.582	83	132788	52.666	ug/l	99
48) Methyl methacrylate	9.382	41	53532	52.332	ug/l	98
49) 1,4-Dioxane	9.382	88	11989	1015.135	ug/l	93
51) 4-Methyl-2-Pentanone	10.158	43	285255	257.156	ug/l	98
52) Toluene	10.335	92	229176	53.473	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	120751	52.534	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	139845	52.503	ug/l	96
55) 1,1,2-Trichloroethane	10.735	97	69146	52.623	ug/l	99
56) Ethyl methacrylate	10.599	69	87458	54.928	ug/l	96
57) 1,3-Dichloropropane	10.876	76	116864	53.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	189425	290.705	ug/l	100
59) 2-Hexanone	10.917	43	193318	253.343	ug/l	100
60) Dibromochloromethane	11.076	129	87514	53.146	ug/l	100
61) 1,2-Dibromoethane	11.176	107	65499	53.757	ug/l	98
64) Tetrachloroethene	10.811	164	75060	52.615	ug/l	96
65) Chlorobenzene	11.605	112	247490	52.029	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.682	131	85831	52.520	ug/l	99
67) Ethyl Benzene	11.682	91	427385	53.765	ug/l	97
68) m/p-Xylenes	11.788	106	330486	107.074	ug/l	98
69) o-Xylene	12.117	106	154998	54.955	ug/l	96
70) Styrene	12.135	104	274314	54.164	ug/l	100
71) Bromoform	12.299	173	50102	51.601	ug/l #	100
73) Isopropylbenzene	12.417	105	394829	54.500	ug/l	100
74) N-amyl acetate	12.229	43	99901	48.047	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	80573	50.575	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	63831m	59.220	ug/l	
77) Bromobenzene	12.699	156	101166	53.836	ug/l	99
78) n-propylbenzene	12.764	91	497686	54.743	ug/l	100
79) 2-Chlorotoluene	12.846	91	288125	54.485	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	340449	55.098	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.470	75	28163	49.596	ug/l	98
82) 4-Chlorotoluene	12.946	91	300911	52.714	ug/l	99
83) tert-Butylbenzene	13.164	119	281792	54.651	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	349353	55.259	ug/l	98
85) sec-Butylbenzene	13.340	105	432898	54.443	ug/l	99
86) p-Isopropyltoluene	13.458	119	363235	54.354	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	200767	51.230	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	193578	48.997	ug/l	98
89) n-Butylbenzene	13.787	91	349033	53.803	ug/l	100
90) Hexachloroethane	14.052	117	76449	51.703	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	176041	51.711	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	12888	50.759	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	112090	52.355	ug/l	98
94) Hexachlorobutadiene	15.205	225	58386	52.419	ug/l	98
95) Naphthalene	15.329	128	220328	54.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	101666	53.095	ug/l	98

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

