

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022774.D
 Acq On : 20 Jun 2025 19:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2025
 Supervised By :Semsettin Yesilyurt 06/23/2025

Quant Time: Jun 21 02:44:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	119204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	215198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	183999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	85702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	75554	56.670	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.340%			
35) Dibromofluoromethane	7.634	113	71431	55.611	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.220%			
50) Toluene-d8	10.109	98	279308	53.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.640%			
62) 4-Bromofluorobenzene	12.402	95	81638	52.793	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	47171	44.199	ug/l	96
3) Chloromethane	2.068	50	156850	49.748	ug/l	100
4) Vinyl Chloride	2.202	62	190573	52.104	ug/l	98
5) Bromomethane	2.598	94	151111	43.105	ug/l	98
6) Chloroethane	2.739	64	130757	52.084	ug/l	93
7) Trichlorofluoromethane	3.050	101	152953	49.260	ug/l	95
8) Diethyl Ether	3.452	74	38018	54.369	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	69724	53.316	ug/l	98
10) Methyl Iodide	4.007	142	82916	58.588	ug/l	99
11) Tert butyl alcohol	4.872	59	22472	235.991	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	67957	54.363	ug/l	97
13) Acrolein	3.653	56	7288	61.412	ug/l	92
14) Allyl chloride	4.385	41	100691	51.310	ug/l	98
15) Acrylonitrile	5.061	53	83132	280.710	ug/l	99
16) Acetone	3.873	43	59695	220.472	ug/l	94
17) Carbon Disulfide	4.110	76	194050	48.487	ug/l	96
18) Methyl Acetate	4.385	43	52614	65.621	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	192620	54.708	ug/l	99
20) Methylene Chloride	4.616	84	83324	54.176	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	78318	55.979	ug/l	93
22) Diisopropyl ether	6.019	45	240035	54.951	ug/l	98
23) Vinyl Acetate	5.958	43	653772	252.872	ug/l	99
24) 1,1-Dichloroethane	5.915	63	151193	58.754	ug/l	99
25) 2-Butanone	6.896	43	99352	254.386	ug/l	100
26) 2,2-Dichloropropane	6.884	77	121876	53.603	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	94256	58.287	ug/l	99
28) Bromochloromethane	7.244	49	62637	55.839	ug/l	99
29) Tetrahydrofuran	7.262	42	65195	258.816	ug/l	97
30) Chloroform	7.421	83	151617	59.484	ug/l	97
31) Cyclohexane	7.701	56	121002	47.232	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	128333	56.718	ug/l	98
36) 1,1-Dichloropropene	7.835	75	108295	51.947	ug/l	98
37) Ethyl Acetate	6.988	43	46590	50.114	ug/l	99
38) Carbon Tetrachloride	7.817	117	111663	52.213	ug/l	99
39) Methylcyclohexane	9.110	83	133438	47.630	ug/l	96
40) Benzene	8.079	78	335652	54.512	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	23112	42.561	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	90663	53.927	ug/l	99
43) Isopropyl Acetate	8.201	43	97956	48.787	ug/l	98
44) Trichloroethene	8.866	130	83410	55.426	ug/l	97
45) 1,2-Dichloropropane	9.140	63	81626	56.093	ug/l	100
46) Dibromomethane	9.231	93	45502	55.580	ug/l	99
47) Bromodichloromethane	9.420	83	117134	56.427	ug/l	99
48) Methyl methacrylate	9.219	41	43786	46.465	ug/l	88
49) 1,4-Dioxane	9.231	88	8380	864.023	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	260830	260.557	ug/l	95
52) Toluene	10.170	92	210895	54.502	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	103118	53.017	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	120866	53.384	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	58034	55.593	ug/l	96
56) Ethyl methacrylate	10.439	69	78935	52.317	ug/l	98
57) 1,3-Dichloropropane	10.713	76	100101	54.102	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	196510	286.866	ug/l	99
59) 2-Hexanone	10.762	43	165516	247.226	ug/l	99
60) Dibromochloromethane	10.908	129	72539	54.679	ug/l	100
61) 1,2-Dibromoethane	11.012	107	53037	55.743	ug/l	96
64) Tetrachloroethene	10.646	164	94859	59.932	ug/l	98
65) Chlorobenzene	11.438	112	222167	54.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	75294	54.894	ug/l	99
67) Ethyl Benzene	11.518	91	402851	53.343	ug/l	99
68) m/p-Xylenes	11.627	106	308160	107.639	ug/l	99
69) o-Xylene	11.950	106	144059	53.670	ug/l	99
70) Styrene	11.969	104	239813	54.050	ug/l	99
71) Bromoform	12.127	173	38190	52.321	ug/l #	99
73) Isopropylbenzene	12.249	105	376394	53.494	ug/l	99
74) N-amyl acetate	12.066	43	86720	48.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	58047	50.266	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	44537m	45.424	ug/l	
77) Bromobenzene	12.530	156	78933	53.161	ug/l	98
78) n-propylbenzene	12.591	91	457718	53.261	ug/l	99
79) 2-Chlorotoluene	12.676	91	244235	53.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	297293	53.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	19204	47.301	ug/l	99
82) 4-Chlorotoluene	12.773	91	245355	52.217	ug/l	96
83) tert-Butylbenzene	12.993	119	271775	54.817	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	292753	52.988	ug/l	98
85) sec-Butylbenzene	13.170	105	405936	53.461	ug/l	100
86) p-Isopropyltoluene	13.292	119	335456	53.597	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	160856	53.470	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	156213	53.538	ug/l	99
89) n-Butylbenzene	13.615	91	314743	53.003	ug/l	99
90) Hexachloroethane	13.877	117	66568	54.632	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	138513	54.230	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8542	50.805	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	72647	52.150	ug/l	97
94) Hexachlorobutadiene	15.017	225	40683	52.913	ug/l	96
95) Naphthalene	15.139	128	140027	52.381	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	63127	52.877	ug/l	99

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

