

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022682.D
 Acq On : 13 Jun 2025 08:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/16/2025
 Supervised By :Semsettin Yesilyurt 06/16/2025

Quant Time: Jun 14 01:59:01 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	151653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	255618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	104128	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87522	51.600	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.200%	
35) Dibromofluoromethane	7.634	113	80263	52.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.220%	
50) Toluene-d8	10.103	98	330650	53.634	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.260%	
62) 4-Bromofluorobenzene	12.402	95	94797	51.609	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.220%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	62579	46.090	ug/l	96
3) Chloromethane	2.068	50	182086	45.395	ug/l	99
4) Vinyl Chloride	2.202	62	271305	58.305	ug/l	99
5) Bromomethane	2.592	94	210582	47.216	ug/l	99
6) Chloroethane	2.733	64	194674	60.952	ug/l	97
7) Trichlorofluoromethane	3.050	101	249178	63.079	ug/l	98
8) Diethyl Ether	3.452	74	46733	52.532	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.806	101	89162	53.591	ug/l	99
10) Methyl Iodide	4.001	142	94415	52.439	ug/l	99
11) Tert butyl alcohol	4.860	59	31351	258.789	ug/l	99
12) 1,1-Dichloroethene	3.787	96	83956	52.792	ug/l	98
13) Acrolein	3.653	56	15350	101.671	ug/l	98
14) Allyl chloride	4.385	41	127274	50.979	ug/l	98
15) Acrylonitrile	5.061	53	99461	263.987	ug/l	99
16) Acetone	3.867	43	97998	284.494	ug/l	95
17) Carbon Disulfide	4.104	76	254112	49.909	ug/l	98
18) Methyl Acetate	4.385	43	53589	52.536	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	233864	52.210	ug/l	100
20) Methylene Chloride	4.610	84	97843	50.005	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	94520	53.104	ug/l	97
22) Diisopropyl ether	6.012	45	297428	53.521	ug/l	99
23) Vinyl Acetate	5.958	43	842670	256.196	ug/l	100
24) 1,1-Dichloroethane	5.915	63	179967	54.971	ug/l	99
25) 2-Butanone	6.896	43	133557	268.797	ug/l	98
26) 2,2-Dichloropropane	6.884	77	160199	55.382	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	113183	55.016	ug/l	99
28) Bromochloromethane	7.238	49	70717	49.553	ug/l	96
29) Tetrahydrofuran	7.262	42	83400	260.246	ug/l	99
30) Chloroform	7.415	83	180977	55.811	ug/l	94
31) Cyclohexane	7.701	56	155192	47.616	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	159762	55.500	ug/l	99
36) 1,1-Dichloropropene	7.835	75	134242	54.211	ug/l	100
37) Ethyl Acetate	6.982	43	57266	51.858	ug/l	98
38) Carbon Tetrachloride	7.817	117	138512	54.526	ug/l	99
39) Methylcyclohexane	9.109	83	169458	50.923	ug/l	99
40) Benzene	8.079	78	402266	55.001	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35763	55.444	ug/l	95
42) 1,2-Dichloroethane	8.152	62	108187	54.175	ug/l	100
43) Isopropyl Acetate	8.195	43	123902	51.951	ug/l	100
44) Trichloroethene	8.866	130	98633	55.178	ug/l	97
45) 1,2-Dichloropropane	9.140	63	95069	55.001	ug/l	98
46) Dibromomethane	9.231	93	52869	54.367	ug/l	98
47) Bromodichloromethane	9.420	83	137129	55.613	ug/l	97
48) Methyl methacrylate	9.219	41	55474	49.560	ug/l	92
49) 1,4-Dioxane	9.225	88	12296	1067.313	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	320369	269.428	ug/l	97
52) Toluene	10.170	92	255646	55.620	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	124025	53.683	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	148237	55.120	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	69284	55.875	ug/l	97
56) Ethyl methacrylate	10.438	69	95573	53.328	ug/l	99
57) 1,3-Dichloropropane	10.719	76	119013	54.152	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	219786	270.111	ug/l	100
59) 2-Hexanone	10.762	43	217342	273.303	ug/l	99
60) Dibromochloromethane	10.908	129	87520	55.540	ug/l	100
61) 1,2-Dibromoethane	11.012	107	62605	55.394	ug/l	96
64) Tetrachloroethene	10.646	164	118091	63.403	ug/l	96
65) Chlorobenzene	11.438	112	265151	55.340	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	91217	56.514	ug/l	99
67) Ethyl Benzene	11.518	91	494780	55.675	ug/l	100
68) m/p-Xylenes	11.627	106	376068	111.628	ug/l	99
69) o-Xylene	11.957	106	176556	55.897	ug/l	99
70) Styrene	11.969	104	298147	57.104	ug/l	98
71) Bromoform	12.133	173	47241	55.000	ug/l #	100
73) Isopropylbenzene	12.255	105	462217	54.067	ug/l	99
74) N-amyl acetate	12.066	43	110486	51.221	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	68596	48.889	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	56225m	47.198	ug/l	
77) Bromobenzene	12.530	156	97495	54.043	ug/l	98
78) n-propylbenzene	12.597	91	568674	54.463	ug/l	100
79) 2-Chlorotoluene	12.676	91	298783	53.990	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	363045	54.092	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	24763	50.200	ug/l	98
82) 4-Chlorotoluene	12.773	91	305072	53.438	ug/l	99
83) tert-Butylbenzene	12.999	119	328519	54.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	359745	53.591	ug/l	100
85) sec-Butylbenzene	13.176	105	499472	54.139	ug/l	100
86) p-Isopropyltoluene	13.292	119	413830	54.419	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	197253	53.966	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	193304	54.527	ug/l	99
89) n-Butylbenzene	13.615	91	397736	55.127	ug/l	99
90) Hexachloroethane	13.877	117	80641	54.470	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	171268	55.188	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11109	54.381	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	94634	55.913	ug/l	97
94) Hexachlorobutadiene	15.017	225	51273	54.886	ug/l	97
95) Naphthalene	15.145	128	174487	53.722	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	79694	54.942	ug/l	99

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

