

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022587.D
 Acq On : 06 Jun 2025 09:33
 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 06/09/2025
 Supervised By :Semsettin Yesilyurt 06/09/2025

Quant Time: Jun 06 23:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	182839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	299746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	100865	49.324	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.640%		
35) Dibromofluoromethane	7.628	113	92683	51.804	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.600%		
50) Toluene-d8	10.103	98	375837	51.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.980%		
62) 4-Bromofluorobenzene	12.401	95	109712	50.936	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	71809	43.867	ug/l	100
3) Chloromethane	2.068	50	208468	43.108	ug/l	98
4) Vinyl Chloride	2.196	62	323028	57.580	ug/l	100
5) Bromomethane	2.586	94	237854	44.235	ug/l	100
6) Chloroethane	2.726	64	220619	57.294	ug/l	92
7) Trichlorofluoromethane	3.043	101	304145	63.861	ug/l	99
8) Diethyl Ether	3.446	74	49864	46.491	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	95558	47.639	ug/l	99
10) Methyl Iodide	3.994	142	100132	46.128	ug/l	99
11) Tert butyl alcohol	4.860	59	34557	236.599	ug/l	97
12) 1,1-Dichloroethene	3.781	96	94185	49.122	ug/l	98
13) Acrolein	3.647	56	33505	184.068	ug/l	99
14) Allyl chloride	4.378	41	141492	47.007	ug/l	99
15) Acrylonitrile	5.049	53	105421	232.081	ug/l	99
16) Acetone	3.866	43	110663	266.465	ug/l	100
17) Carbon Disulfide	4.098	76	284960	46.422	ug/l	99
18) Methyl Acetate	4.378	43	52048	42.322	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	249906	46.275	ug/l	97
20) Methylene Chloride	4.610	84	104415	44.261	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	103454	48.210	ug/l	92
22) Diisopropyl ether	6.012	45	316221	47.197	ug/l	100
23) Vinyl Acetate	5.951	43	918896	231.720	ug/l	99
24) 1,1-Dichloroethane	5.909	63	195694	49.580	ug/l	99
25) 2-Butanone	6.890	43	149761	249.999	ug/l	96
26) 2,2-Dichloropropane	6.878	77	172588	49.488	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	121230	48.876	ug/l	98
28) Bromochloromethane	7.238	49	83757	48.680	ug/l	99
29) Tetrahydrofuran	7.256	42	87281	225.902	ug/l	98
30) Chloroform	7.415	83	191190	48.904	ug/l	94
31) Cyclohexane	7.701	56	176233	44.849	ug/l	97
32) 1,1,1-Trichloroethane	7.610	97	173741	50.062	ug/l	99
36) 1,1-Dichloropropene	7.829	75	144708	49.835	ug/l	100
37) Ethyl Acetate	6.976	43	62142	47.989	ug/l	99
38) Carbon Tetrachloride	7.811	117	150532	50.534	ug/l	96
39) Methylcyclohexane	9.103	83	189081	48.455	ug/l	99
40) Benzene	8.079	78	437152	50.971	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	35849	47.396	ug/l	98
42) 1,2-Dichloroethane	8.152	62	115886	49.487	ug/l	100
43) Isopropyl Acetate	8.195	43	131181	46.906	ug/l	98
44) Trichloroethene	8.859	130	105220	50.197	ug/l	98
45) 1,2-Dichloropropane	9.140	63	102278	50.460	ug/l	97
46) Dibromomethane	9.225	93	55843	48.972	ug/l	98
47) Bromodichloromethane	9.420	83	146494	50.665	ug/l	99
48) Methyl methacrylate	9.219	41	60867	46.372	ug/l	97
49) 1,4-Dioxane	9.225	88	13611	1007.526	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	335752	240.796	ug/l	98
52) Toluene	10.170	92	273072	50.665	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	132557	48.929	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	157040	49.796	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	72063	49.560	ug/l	96
56) Ethyl methacrylate	10.438	69	100659	47.897	ug/l	98
57) 1,3-Dichloropropane	10.713	76	125707	48.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	258959	271.400	ug/l	100
59) 2-Hexanone	10.755	43	229890	246.524	ug/l	98
60) Dibromochloromethane	10.908	129	91555	49.547	ug/l	99
61) 1,2-Dibromoethane	11.011	107	64309	48.525	ug/l	99
64) Tetrachloroethene	10.646	164	113558	50.742	ug/l	98
65) Chlorobenzene	11.438	112	288727	50.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	95865	49.431	ug/l	98
67) Ethyl Benzene	11.517	91	533163	49.931	ug/l	99
68) m/p-Xylenes	11.627	106	406258	100.362	ug/l	99
69) o-Xylene	11.950	106	188009	49.539	ug/l	99
70) Styrene	11.969	104	314400	50.116	ug/l	99
71) Bromoform	12.127	173	48352	46.851	ug/l #	98
73) Isopropylbenzene	12.249	105	498939	49.901	ug/l	100
74) N-amyl acetate	12.066	43	117191	46.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	76110	46.380	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	52291m	37.531	ug/l	
77) Bromobenzene	12.529	156	102345	48.506	ug/l	98
78) n-propylbenzene	12.590	91	618049	50.609	ug/l	100
79) 2-Chlorotoluene	12.676	91	320782	49.561	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	392754	50.034	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	25842	44.792	ug/l	98
82) 4-Chlorotoluene	12.773	91	328579	49.210	ug/l	98
83) tert-Butylbenzene	12.993	119	347548	49.331	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	394429	50.239	ug/l	99
85) sec-Butylbenzene	13.170	105	547107	50.704	ug/l	100
86) p-Isopropyltoluene	13.285	119	447923	50.362	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	209415	48.987	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	203634	49.112	ug/l	99
89) n-Butylbenzene	13.615	91	434689	51.514	ug/l	99
90) Hexachloroethane	13.877	117	87120	50.315	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	177948	49.027	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11331	47.426	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	99275	50.151	ug/l	98
94) Hexachlorobutadiene	15.017	225	56050	51.301	ug/l	96
95) Naphthalene	15.145	128	178784	47.064	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	81041	47.770	ug/l	97

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

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