

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022536.D
 Acq On : 03 Jun 2025 20:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:18:45 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	166062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	290559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	247870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	116307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100440	54.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.160%			
35) Dibromofluoromethane	7.634	113	93036	53.645	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.300%			
50) Toluene-d8	10.103	98	370610	52.887	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.402	95	107560	51.515	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	64538	43.409	ug/l	95
3) Chloromethane	2.062	50	249960	56.910	ug/l	99
4) Vinyl Chloride	2.202	62	304232	59.708	ug/l	98
5) Bromomethane	2.592	94	230941	47.288	ug/l	99
6) Chloroethane	2.732	64	197595	56.499	ug/l	91
7) Trichlorofluoromethane	3.043	101	239701	55.414	ug/l	99
8) Diethyl Ether	3.452	74	50449	51.788	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	87472	48.014	ug/l	99
10) Methyl Iodide	4.001	142	97700	49.555	ug/l	98
11) Tert butyl alcohol	4.878	59	32054	241.634	ug/l	100
12) 1,1-Dichloroethene	3.787	96	85972	49.369	ug/l	97
13) Acrolein	3.653	56	34492	208.635	ug/l	99
14) Allyl chloride	4.379	41	134044	49.032	ug/l	99
15) Acrylonitrile	5.061	53	106566	258.303	ug/l	100
16) Acetone	3.879	43	76951	204.010	ug/l	98
17) Carbon Disulfide	4.104	76	272880	48.945	ug/l	100
18) Methyl Acetate	4.385	43	64722	57.944	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	252752	51.530	ug/l	95
20) Methylene Chloride	4.610	84	103775	48.434	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	99855	51.234	ug/l	98
22) Diisopropyl ether	6.019	45	309614	50.880	ug/l	98
23) Vinyl Acetate	5.964	43	872923	242.366	ug/l	100
24) 1,1-Dichloroethane	5.909	63	186627	52.059	ug/l	100
25) 2-Butanone	6.896	43	130543	239.934	ug/l	99
26) 2,2-Dichloropropane	6.884	77	141764	44.756	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	118957	52.805	ug/l	99
28) Bromochloromethane	7.244	49	81360	52.064	ug/l	98
29) Tetrahydrofuran	7.262	42	88912	253.372	ug/l	98
30) Chloroform	7.421	83	191144	53.831	ug/l	96
31) Cyclohexane	7.701	56	159421	44.669	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	163575	51.894	ug/l	100
36) 1,1-Dichloropropene	7.835	75	135585	48.169	ug/l	100
37) Ethyl Acetate	6.988	43	62043	49.427	ug/l	99
38) Carbon Tetrachloride	7.817	117	138842	48.083	ug/l	97
39) Methylcyclohexane	9.109	83	172541	45.614	ug/l	98
40) Benzene	8.079	78	425567	51.189	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36219m	49.399	ug/l	
42) 1,2-Dichloroethane	8.158	62	115630	50.939	ug/l	100
43) Isopropyl Acetate	8.195	43	131831	48.629	ug/l	99
44) Trichloroethene	8.866	130	102849	50.618	ug/l	96
45) 1,2-Dichloropropane	9.140	63	98157	49.958	ug/l	97
46) Dibromomethane	9.231	93	56522	51.134	ug/l	98
47) Bromodichloromethane	9.420	83	146284	52.192	ug/l	99
48) Methyl methacrylate	9.219	41	61711	48.502	ug/l	96
49) 1,4-Dioxane	9.231	88	13528	1033.044	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	337478	249.686	ug/l	98
52) Toluene	10.170	92	264244	50.578	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	128425	48.903	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	151178	49.453	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	71912	51.020	ug/l	97
56) Ethyl methacrylate	10.438	69	100924	49.541	ug/l	98
57) 1,3-Dichloropropane	10.713	76	128157	51.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	140012	151.378	ug/l	99
59) 2-Hexanone	10.755	43	224037	247.844	ug/l	99
60) Dibromochloromethane	10.908	129	90388	50.462	ug/l	99
61) 1,2-Dibromoethane	11.012	107	66866	52.050	ug/l	96
64) Tetrachloroethene	10.646	164	113736	53.342	ug/l	94
65) Chlorobenzene	11.438	112	280496	51.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	93891	50.813	ug/l	99
67) Ethyl Benzene	11.518	91	509853	50.115	ug/l	99
68) m/p-Xylenes	11.627	106	387428	100.456	ug/l	99
69) o-Xylene	11.950	106	183057	50.625	ug/l	99
70) Styrene	11.969	104	306334	51.252	ug/l	99
71) Bromoform	12.127	173	50026	50.877	ug/l #	100
73) Isopropylbenzene	12.249	105	472687	49.502	ug/l	99
74) N-amyl acetate	12.066	43	121215	50.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	75257	48.020	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	76373m	57.398	ug/l	
77) Bromobenzene	12.530	156	100763	50.006	ug/l	99
78) n-propylbenzene	12.590	91	577009	49.474	ug/l	99
79) 2-Chlorotoluene	12.676	91	310881	50.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	373572	49.832	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	23497	42.645	ug/l	97
82) 4-Chlorotoluene	12.773	91	310489	48.691	ug/l	98
83) tert-Butylbenzene	12.993	119	341012	50.683	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	376096	50.160	ug/l	100
85) sec-Butylbenzene	13.170	105	505174	49.023	ug/l	100
86) p-Isopropyltoluene	13.292	119	415739	48.945	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	204862	50.179	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	197352	49.839	ug/l	99
89) n-Butylbenzene	13.615	91	393731	48.858	ug/l	100
90) Hexachloroethane	13.877	117	82732	50.031	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	176409	50.893	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11440	50.137	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	94854	50.174	ug/l	96
94) Hexachlorobutadiene	15.023	225	50011	47.930	ug/l	99
95) Naphthalene	15.139	128	186479	51.402	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	81365	50.220	ug/l	99

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

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