

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022993.D
 Acq On : 18 Jul 2025 12:04
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:32:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:28:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	501817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	789191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	664286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	239014	47.050	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.100%		
35) Dibromofluoromethane	7.634	113	238242	47.590	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.180%		
50) Toluene-d8	10.103	98	950656	47.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.780%		
62) 4-Bromofluorobenzene	12.401	95	291196	46.597	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	184397	43.276	ug/l	100
3) Chloromethane	2.068	50	310189	42.813	ug/l	100
4) Vinyl Chloride	2.202	62	413768	45.077	ug/l	100
5) Bromomethane	2.592	94	278011	41.966	ug/l	100
6) Chloroethane	2.732	64	279256	45.553	ug/l	100
7) Trichlorofluoromethane	3.049	101	488462	45.842	ug/l	100
8) Diethyl Ether	3.452	74	124617	44.685	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252620	45.131	ug/l	100
10) Methyl Iodide	4.001	142	285736	49.138	ug/l	100
11) Tert butyl alcohol	4.854	59	73810	238.938	ug/l	100
12) 1,1-Dichloroethene	3.787	96	239058	44.832	ug/l	100
13) Acrolein	3.653	56	18455	132.538	ug/l	100
14) Allyl chloride	4.378	41	371772	45.764	ug/l	100
15) Acrylonitrile	5.055	53	247093	233.921	ug/l	100
16) Acetone	3.866	43	194159	210.847	ug/l	100
17) Carbon Disulfide	4.104	76	721811	44.664	ug/l	100
18) Methyl Acetate	4.385	43	162254	52.045	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	597847	46.744	ug/l	100
20) Methylene Chloride	4.610	84	304504	46.415	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	267267	45.028	ug/l	100
22) Diisopropyl ether	6.018	45	800264	46.434	ug/l	100
23) Vinyl Acetate	5.957	43	2025238	233.221	ug/l	100
24) 1,1-Dichloroethane	5.915	63	494896	45.718	ug/l	100
25) 2-Butanone	6.890	43	309076	233.963	ug/l	100
26) 2,2-Dichloropropane	6.884	77	430578	45.386	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	316409	46.253	ug/l	100
28) Bromochloromethane	7.244	49	199840	47.598	ug/l	100
29) Tetrahydrofuran	7.262	42	204304	244.270	ug/l	100
30) Chloroform	7.421	83	497058	45.518	ug/l	100
31) Cyclohexane	7.701	56	441500	43.650	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	453173	45.738	ug/l	100
36) 1,1-Dichloropropene	7.835	75	372166	47.196	ug/l	100
37) Ethyl Acetate	6.982	43	138948	47.445	ug/l	100
38) Carbon Tetrachloride	7.817	117	400589	46.760	ug/l	100
39) Methylcyclohexane	9.109	83	482312	47.256	ug/l	100
40) Benzene	8.079	78	1113790	46.911	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	78701	50.913	ug/l	100
42) 1,2-Dichloroethane	8.158	62	282749	47.867	ug/l	100
43) Isopropyl Acetate	8.195	43	288097	49.524	ug/l	100
44) Trichloroethene	8.866	130	288157	47.253	ug/l	100
45) 1,2-Dichloropropane	9.140	63	258018	46.536	ug/l	100
46) Dibromomethane	9.231	93	137104	47.840	ug/l	100
47) Bromodichloromethane	9.420	83	373011	47.086	ug/l	100
48) Methyl methacrylate	9.219	41	141851	50.507	ug/l	100
49) 1,4-Dioxane	9.225	88	30004	993.216	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	754317	255.467	ug/l	100
52) Toluene	10.170	92	703655	47.669	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	326909	48.074	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	388343	47.380	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	179703	47.708	ug/l	100
56) Ethyl methacrylate	10.438	69	237585	50.527	ug/l	100
57) 1,3-Dichloropropane	10.713	76	309762	47.605	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	618691	268.792	ug/l	100
59) 2-Hexanone	10.755	43	499848	257.540	ug/l	100
60) Dibromochloromethane	10.908	129	239431	48.542	ug/l	100
61) 1,2-Dibromoethane	11.011	107	165428	48.362	ug/l	100
64) Tetrachloroethene	10.646	164	340698	50.177	ug/l	100
65) Chlorobenzene	11.438	112	739951	47.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	249587	46.683	ug/l	100
67) Ethyl Benzene	11.517	91	1333383	47.990	ug/l	100
68) m/p-Xylenes	11.627	106	1025693	96.245	ug/l	100
69) o-Xylene	11.950	106	473669	47.893	ug/l	100
70) Styrene	11.969	104	788910	48.697	ug/l	100
71) Bromoform	12.127	173	128589	47.377	ug/l	100
73) Isopropylbenzene	12.249	105	1261366	47.788	ug/l	100
74) N-amyl acetate	12.066	43	247232	49.681	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	174373	45.650	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	185675m	47.387	ug/l	100
77) Bromobenzene	12.529	156	270964	47.332	ug/l	100
78) n-propylbenzene	12.590	91	1513613	48.154	ug/l	100
79) 2-Chlorotoluene	12.676	91	834869	47.226	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	999303	48.002	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	62367	47.883	ug/l	100
82) 4-Chlorotoluene	12.773	91	849887	47.667	ug/l	100
83) tert-Butylbenzene	12.993	119	911526	48.474	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	987090	48.169	ug/l	100
85) sec-Butylbenzene	13.170	105	1351665	47.965	ug/l	100
86) p-Isopropyltoluene	13.285	119	1110110	48.505	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	544923	47.167	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	525144	46.985	ug/l	100
89) n-Butylbenzene	13.615	91	1021282	48.359	ug/l	100
90) Hexachloroethane	13.877	117	221864	46.822	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	460252	47.229	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	28006	49.379	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	247288	48.140	ug/l	100
94) Hexachlorobutadiene	15.017	225	147284	45.479	ug/l	100
95) Naphthalene	15.139	128	429845	52.172	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	208782	49.224	ug/l	100

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

