

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 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 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	469181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	754142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	648632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	317038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	246832	47.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.280%		
35) Dibromofluoromethane	7.634	113	229041	49.940	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.880%		
50) Toluene-d8	10.103	98	912489	50.139	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.280%		
62) 4-Bromofluorobenzene	12.402	95	297486	50.848	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	178416	44.471	ug/l	99
3) Chloromethane	2.068	50	361942	47.245	ug/l	99
4) Vinyl Chloride	2.202	62	427991	44.717	ug/l	99
5) Bromomethane	2.599	94	304314	40.443	ug/l	100
6) Chloroethane	2.733	64	292466	45.459	ug/l	97
7) Trichlorofluoromethane	3.056	101	473145	44.645	ug/l	96
8) Diethyl Ether	3.452	74	123014	46.996	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	236344	48.799	ug/l	97
10) Methyl Iodide	4.001	142	277897	52.700	ug/l	99
11) Tert butyl alcohol	4.891	59	73803	211.961	ug/l	98
12) 1,1-Dichloroethene	3.787	96	227462	47.897	ug/l	99
13) Acrolein	3.653	56	40903	86.631	ug/l	99
14) Allyl chloride	4.385	41	368422	50.437	ug/l	93
15) Acrylonitrile	5.055	53	268907	246.227	ug/l	99
16) Acetone	3.879	43	294196	297.244	ug/l	97
17) Carbon Disulfide	4.104	76	723334	47.148	ug/l	100
18) Methyl Acetate	4.391	43	145970	44.534	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	611645	47.301	ug/l	97
20) Methylene Chloride	4.616	84	277496	44.396	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	261557	48.190	ug/l	97
22) Diisopropyl ether	6.019	45	819602	50.524	ug/l	98
23) Vinyl Acetate	5.958	43	2279836	254.469	ug/l	99
24) 1,1-Dichloroethane	5.915	63	484456	49.442	ug/l	100
25) 2-Butanone	6.897	43	371518	257.909	ug/l	97
26) 2,2-Dichloropropane	6.884	77	421633	51.333	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	303325	48.094	ug/l	98
28) Bromochloromethane	7.244	49	207851	50.456	ug/l	96
29) Tetrahydrofuran	7.262	42	221589	243.613	ug/l	99
30) Chloroform	7.421	83	486641	48.220	ug/l	97
31) Cyclohexane	7.701	56	430743	47.890	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	429352	49.231	ug/l	99
36) 1,1-Dichloropropene	7.835	75	355507	51.139	ug/l	99
37) Ethyl Acetate	6.982	43	154528	51.513	ug/l	98
38) Carbon Tetrachloride	7.817	117	374577	51.067	ug/l	98
39) Methylcyclohexane	9.110	83	460294	51.165	ug/l	97
40) Benzene	8.079	78	1094013	51.185	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	87764m	47.523	ug/l	
42) 1,2-Dichloroethane	8.158	62	290550	49.608	ug/l	99
43) Isopropyl Acetate	8.195	43	311082	49.895	ug/l #	85
44) Trichloroethene	8.866	130	273722	51.008	ug/l	95
45) 1,2-Dichloropropane	9.140	63	257521	51.480	ug/l	95
46) Dibromomethane	9.231	93	139472	49.115	ug/l	95
47) Bromodichloromethane	9.420	83	370630	50.614	ug/l	98
48) Methyl methacrylate	9.219	41	153125	51.089	ug/l	94
49) 1,4-Dioxane	9.244	88	31367	934.941	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	819239	258.572	ug/l	97
52) Toluene	10.170	92	681645	50.552	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	337875	51.283	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	394892	51.693	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	185703	50.503	ug/l	97
56) Ethyl methacrylate	10.439	69	251987	50.936	ug/l	95
57) 1,3-Dichloropropane	10.719	76	323632	50.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	661824	254.251	ug/l	100
59) 2-Hexanone	10.762	43	569731	264.491	ug/l	98
60) Dibromochloromethane	10.908	129	240465	50.629	ug/l	99
61) 1,2-Dibromoethane	11.012	107	171163	49.744	ug/l	97
64) Tetrachloroethene	10.646	164	313364	51.140	ug/l	98
65) Chlorobenzene	11.438	112	724240	50.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	245337	50.822	ug/l	100
67) Ethyl Benzene	11.518	91	1300418	51.930	ug/l	98
68) m/p-Xylenes	11.627	106	1004963	103.817	ug/l	100
69) o-Xylene	11.950	106	463547	50.821	ug/l	97
70) Styrene	11.969	104	785558	51.416	ug/l	99
71) Bromoform	12.133	173	133601	49.704	ug/l #	99
73) Isopropylbenzene	12.255	105	1225056	52.248	ug/l	99
74) N-amyl acetate	12.066	43	275812	52.406	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	193055	51.088	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	149559m	46.207	ug/l	
77) Bromobenzene	12.530	156	269916	50.787	ug/l	99
78) n-propylbenzene	12.597	91	1509384	53.318	ug/l	99
79) 2-Chlorotoluene	12.676	91	835369	52.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	990349	52.322	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	68875	53.760	ug/l	98
82) 4-Chlorotoluene	12.774	91	861600	51.285	ug/l	100
83) tert-Butylbenzene	12.993	119	890540	53.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	990271	52.256	ug/l	100
85) sec-Butylbenzene	13.176	105	1328043	52.876	ug/l	99
86) p-Isopropyltoluene	13.292	119	1115979	53.394	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	548086	51.349	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	536033	50.557	ug/l	100
89) n-Butylbenzene	13.615	91	1055023	53.663	ug/l	98
90) Hexachloroethane	13.877	117	219541	52.738	ug/l	94
91) 1,2-Dichlorobenzene	13.658	146	476847	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31963	49.877	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	268251	50.510	ug/l	97
94) Hexachlorobutadiene	15.023	225	152272	50.704	ug/l	99
95) Naphthalene	15.139	128	477686	49.739	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	225650	49.170	ug/l	98

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

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