

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022988.D
 Acq On : 08 Jul 2025 20:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:37:38 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	347465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	590503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	275235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	196766	50.738	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.480%			
35) Dibromofluoromethane	7.634	113	182706	50.877	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.760%			
50) Toluene-d8	10.103	98	723345	50.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.520%			
62) 4-Bromofluorobenzene	12.402	95	236188	51.558	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	128686	43.311	ug/l	99
3) Chloromethane	2.068	50	264580	46.634	ug/l	99
4) Vinyl Chloride	2.202	62	346362	48.865	ug/l	97
5) Bromomethane	2.598	94	274778	49.310	ug/l	98
6) Chloroethane	2.739	64	247719	51.991	ug/l	96
7) Trichlorofluoromethane	3.056	101	347551	44.282	ug/l	99
8) Diethyl Ether	3.458	74	95991	49.518	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	178269	49.702	ug/l	98
10) Methyl Iodide	4.007	142	205308	52.573	ug/l	100
11) Tert butyl alcohol	4.872	59	58814	228.082	ug/l	97
12) 1,1-Dichloroethene	3.793	96	173253	49.261	ug/l	96
13) Acrolein	3.659	56	26043	74.480	ug/l	99
14) Allyl chloride	4.385	41	275962	51.013	ug/l	95
15) Acrylonitrile	5.061	53	211497	261.497	ug/l	99
16) Acetone	3.873	43	175125	238.921	ug/l	94
17) Carbon Disulfide	4.104	76	531971	46.821	ug/l	98
18) Methyl Acetate	4.385	43	125000	51.495	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	483903	50.531	ug/l	97
20) Methylene Chloride	4.616	84	279556	60.393	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	200640	49.916	ug/l	99
22) Diisopropyl ether	6.019	45	635945	52.935	ug/l	99
23) Vinyl Acetate	5.964	43	1704946	256.963	ug/l	100
24) 1,1-Dichloroethane	5.915	63	379300	52.270	ug/l	100
25) 2-Butanone	6.896	43	268917	252.078	ug/l	98
26) 2,2-Dichloropropane	6.884	77	292085	48.018	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	241575	51.721	ug/l	100
28) Bromochloromethane	7.244	49	162824	53.372	ug/l	96
29) Tetrahydrofuran	7.262	42	175125	259.973	ug/l	99
30) Chloroform	7.421	83	389438	52.106	ug/l	97
31) Cyclohexane	7.701	56	318590	47.829	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	334074	51.724	ug/l	99
36) 1,1-Dichloropropene	7.835	75	277076	50.902	ug/l	99
37) Ethyl Acetate	6.988	43	120644	51.362	ug/l	98
38) Carbon Tetrachloride	7.817	117	286952	49.962	ug/l	96
39) Methylcyclohexane	9.109	83	350704	49.786	ug/l	99
40) Benzene	8.079	78	869983	51.984	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	71266	49.284	ug/l	97
42) 1,2-Dichloroethane	8.158	62	235657	51.386	ug/l	99
43) Isopropyl Acetate	8.195	43	250096	51.229	ug/l	99
44) Trichloroethene	8.866	130	212375	50.543	ug/l	97
45) 1,2-Dichloropropane	9.140	63	206693	52.770	ug/l	98
46) Dibromomethane	9.231	93	113586	51.084	ug/l	96
47) Bromodichloromethane	9.420	83	304198	53.054	ug/l	100
48) Methyl methacrylate	9.219	41	123439	52.597	ug/l	94
49) 1,4-Dioxane	9.231	88	24331	926.195	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	668212	269.350	ug/l	97
52) Toluene	10.170	92	550326	52.123	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	267110	51.777	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	310934	51.982	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	150151	52.150	ug/l	97
56) Ethyl methacrylate	10.439	69	203707	52.588	ug/l	96
57) 1,3-Dichloropropane	10.713	76	259081	51.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	509326	250.158	ug/l	100
59) 2-Hexanone	10.756	43	441905	262.000	ug/l	98
60) Dibromochloromethane	10.908	129	196396	52.809	ug/l	99
61) 1,2-Dibromoethane	11.012	107	137822	51.154	ug/l	97
64) Tetrachloroethene	10.646	164	234832	47.454	ug/l	99
65) Chlorobenzene	11.438	112	582088	50.571	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	198021	50.793	ug/l	98
67) Ethyl Benzene	11.518	91	1048920	51.866	ug/l	97
68) m/p-Xylenes	11.627	106	812457	103.926	ug/l	99
69) o-Xylene	11.950	106	381007	51.724	ug/l	99
70) Styrene	11.969	104	649923	52.673	ug/l	99
71) Bromoform	12.127	173	109792	50.577	ug/l #	99
73) Isopropylbenzene	12.249	105	995845	48.923	ug/l	99
74) N-amyl acetate	12.066	43	224846	49.211	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.499	83	164653	50.189	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	137335m	48.875	ug/l	
77) Bromobenzene	12.530	156	220008	47.684	ug/l	100
78) n-propylbenzene	12.591	91	1224096	49.808	ug/l	99
79) 2-Chlorotoluene	12.676	91	685670	49.381	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	828830	50.439	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	51790	46.564	ug/l	99
82) 4-Chlorotoluene	12.773	91	713070	48.891	ug/l	100
83) tert-Butylbenzene	12.993	119	727775	50.220	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	829237	50.404	ug/l	100
85) sec-Butylbenzene	13.170	105	1107012	50.770	ug/l	100
86) p-Isopropyltoluene	13.286	119	918547	50.623	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	451267	48.700	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	444654	48.308	ug/l	100
89) n-Butylbenzene	13.615	91	849047	49.745	ug/l	99
90) Hexachloroethane	13.877	117	177524	49.122	ug/l	96
91) 1,2-Dichlorobenzene	13.651	146	392132	48.020	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	25846	46.458	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	207680	45.044	ug/l	98
94) Hexachlorobutadiene	15.017	225	120839	46.348	ug/l	98
95) Naphthalene	15.139	128	382638	45.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	177275	44.496	ug/l	99

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

