

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022470.D
 Acq On : 29 May 2025 17:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:36:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	191971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	334442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	285657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109161	53.985	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.980%			
35) Dibromofluoromethane	7.640	113	100150	51.134	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.260%			
50) Toluene-d8	10.109	98	407189	50.999	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.000%			
62) 4-Bromofluorobenzene	12.408	95	120662	49.961	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85294	46.570	ug/l	98
3) Chloromethane	2.068	50	274693	60.973	ug/l	99
4) Vinyl Chloride	2.202	62	329233	60.156	ug/l	100
5) Bromomethane	2.598	94	262382	52.755	ug/l	98
6) Chloroethane	2.739	64	218782	61.173	ug/l	99
7) Trichlorofluoromethane	3.049	101	251367	54.435	ug/l	98
8) Diethyl Ether	3.458	74	59000	55.413	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	105768	52.209	ug/l	100
10) Methyl Iodide	4.007	142	131108	57.364	ug/l	99
11) Tert butyl alcohol	4.878	59	39872	279.748	ug/l	98
12) 1,1-Dichloroethene	3.793	96	105424	52.416	ug/l	97
13) Acrolein	3.659	56	46000	215.397	ug/l	98
14) Allyl chloride	4.385	41	164196	54.270	ug/l	98
15) Acrylonitrile	5.061	53	125382	292.148	ug/l	99
16) Acetone	3.879	43	93223	280.563	ug/l #	88
17) Carbon Disulfide	4.110	76	335734	52.307	ug/l	99
18) Methyl Acetate	4.391	43	74624	59.955	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	300246	56.228	ug/l	98
20) Methylene Chloride	4.616	84	117911	50.253	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	118686	54.052	ug/l	94
22) Diisopropyl ether	6.025	45	366108	54.828	ug/l	99
23) Vinyl Acetate	5.964	43	1056834	275.643	ug/l	98
24) 1,1-Dichloroethane	5.921	63	218670	55.420	ug/l	99
25) 2-Butanone	6.902	43	156923	283.577	ug/l	99
26) 2,2-Dichloropropane	6.890	77	183879	51.467	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	141404	55.627	ug/l	98
28) Bromochloromethane	7.250	49	92598	56.201	ug/l	99
29) Tetrahydrofuran	7.268	42	106571	288.767	ug/l	99
30) Chloroform	7.427	83	219843	56.544	ug/l	95
31) Cyclohexane	7.707	56	191152	49.146	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	190339	53.942	ug/l	98
36) 1,1-Dichloropropene	7.841	75	161158	51.853	ug/l	99
37) Ethyl Acetate	6.994	43	72712	55.050	ug/l	99
38) Carbon Tetrachloride	7.823	117	166842	51.533	ug/l	98
39) Methylcyclohexane	9.109	83	208499	50.467	ug/l	98
40) Benzene	8.085	78	490343	53.022	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	44189m	55.121	ug/l	
42) 1,2-Dichloroethane	8.164	62	135293	55.392	ug/l	100
43) Isopropyl Acetate	8.201	43	156013	54.053	ug/l	99
44) Trichloroethene	8.872	130	119171	52.127	ug/l	98
45) 1,2-Dichloropropane	9.146	63	116174	53.466	ug/l	100
46) Dibromomethane	9.231	93	65379	53.862	ug/l	100
47) Bromodichloromethane	9.426	83	168924	54.119	ug/l	96
48) Methyl methacrylate	9.225	41	72736	54.288	ug/l	99
49) 1,4-Dioxane	9.237	88	14779	1102.345	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	405257	284.572	ug/l	100
52) Toluene	10.176	92	307963	53.315	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	155924	53.629	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	180693	52.891	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	85459	55.686	ug/l	99
56) Ethyl methacrylate	10.444	69	119707	54.355	ug/l	95
57) 1,3-Dichloropropane	10.719	76	147727	54.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	299741	273.090	ug/l	99
59) 2-Hexanone	10.761	43	263019	281.823	ug/l	99
60) Dibromochloromethane	10.914	129	105764	53.951	ug/l	99
61) 1,2-Dibromoethane	11.018	107	77894	55.494	ug/l	100
64) Tetrachloroethene	10.652	164	130146	53.496	ug/l	98
65) Chlorobenzene	11.444	112	325117	53.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	109834	53.221	ug/l	100
67) Ethyl Benzene	11.517	91	597773	52.854	ug/l	99
68) m/p-Xylenes	11.627	106	451191	105.221	ug/l	99
69) o-Xylene	11.956	106	210524	52.238	ug/l	99
70) Styrene	11.969	104	358759	53.462	ug/l	99
71) Bromoform	12.133	173	58816	54.410	ug/l #	95
73) Isopropylbenzene	12.255	105	556024	52.810	ug/l	99
74) N-amyl acetate	12.072	43	140348	54.477	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	90065	54.295	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	70058m	52.283	ug/l	
77) Bromobenzene	12.529	156	117502	51.861	ug/l	96
78) n-propylbenzene	12.597	91	670933	53.100	ug/l	99
79) 2-Chlorotoluene	12.682	91	360358	52.686	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	440313	53.524	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	31632	53.384	ug/l	97
82) 4-Chlorotoluene	12.779	91	372691	52.907	ug/l	100
83) tert-Butylbenzene	12.999	119	390751	52.573	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	437800	52.884	ug/l	99
85) sec-Butylbenzene	13.176	105	588004	53.345	ug/l	100
86) p-Isopropyltoluene	13.291	119	491408	53.388	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	239918	52.627	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	228234	52.358	ug/l	99
89) n-Butylbenzene	13.615	91	461407	53.463	ug/l	99
90) Hexachloroethane	13.883	117	94937	51.830	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	201007	52.788	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13144	51.278	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	108671	51.479	ug/l	97
94) Hexachlorobutadiene	15.023	225	57641	52.030	ug/l	96
95) Naphthalene	15.145	128	209768	53.752	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	90036	52.006	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

