

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022472.D
 Acq On : 30 May 2025 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 31 02:24:01 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

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
 Supervised By :Mahesh Dadoda 06/02/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	214827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	359018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122804	54.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.540%	
35) Dibromofluoromethane	7.634	113	111018	52.802	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.600%	
50) Toluene-d8	10.109	98	454223	52.995	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.000%	
62) 4-Bromofluorobenzene	12.408	95	131020	50.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	95270	46.482	ug/l	99
3) Chloromethane	2.068	50	236533	46.917	ug/l	98
4) Vinyl Chloride	2.202	62	319792	52.214	ug/l	99
5) Bromomethane	2.599	94	270186	48.545	ug/l	98
6) Chloroethane	2.733	64	221468	55.336	ug/l	99
7) Trichlorofluoromethane	3.050	101	280158	54.215	ug/l	99
8) Diethyl Ether	3.452	74	63183	53.028	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	117207	51.700	ug/l	100
10) Methyl Iodide	4.001	142	134525	52.597	ug/l	99
11) Tert butyl alcohol	4.872	59	43710	274.048	ug/l	98
12) 1,1-Dichloroethene	3.787	96	114564	50.900	ug/l	99
13) Acrolein	3.653	56	47167	197.364	ug/l	96
14) Allyl chloride	4.385	41	180338	53.264	ug/l	99
15) Acrylonitrile	5.061	53	132286	275.441	ug/l	100
16) Acetone	3.873	43	145680	391.791	ug/l	# 89
17) Carbon Disulfide	4.110	76	358960	49.975	ug/l	100
18) Methyl Acetate	4.385	43	74480	53.473	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	312551	52.305	ug/l	100
20) Methylene Chloride	4.616	84	133998	51.033	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	123703	50.343	ug/l	98
22) Diisopropyl ether	6.019	45	391867	52.442	ug/l	99
23) Vinyl Acetate	5.958	43	1161936	270.813	ug/l	100
24) 1,1-Dichloroethane	5.915	63	236649	53.595	ug/l	99
25) 2-Butanone	6.890	43	189621	306.209	ug/l	98
26) 2,2-Dichloropropane	6.890	77	208375	52.118	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	145719	51.226	ug/l	98
28) Bromochloromethane	7.244	49	101857	55.243	ug/l	98
29) Tetrahydrofuran	7.268	42	112734	272.968	ug/l	99
30) Chloroform	7.421	83	230841	53.056	ug/l	97
31) Cyclohexane	7.701	56	211518	48.596	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	207459	52.539	ug/l	100
36) 1,1-Dichloropropene	7.835	75	173461	51.991	ug/l	99
37) Ethyl Acetate	6.982	43	80759	56.957	ug/l	99
38) Carbon Tetrachloride	7.817	117	179250	51.575	ug/l	99
39) Methylcyclohexane	9.110	83	227959	51.401	ug/l	99
40) Benzene	8.079	78	521250	52.505	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	40204m	46.717	ug/l	
42) 1,2-Dichloroethane	8.158	62	142105	54.198	ug/l	100
43) Isopropyl Acetate	8.195	43	169608	54.741	ug/l	100
44) Trichloroethene	8.866	130	126115	51.388	ug/l	93
45) 1,2-Dichloropropane	9.140	63	123689	53.028	ug/l	100
46) Dibromomethane	9.231	93	69415	53.273	ug/l	99
47) Bromodichloromethane	9.420	83	179267	53.501	ug/l	98
48) Methyl methacrylate	9.219	41	78438	54.537	ug/l	99
49) 1,4-Dioxane	9.231	88	15221	1057.597	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	429775	281.130	ug/l	99
52) Toluene	10.170	92	326922	52.723	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	166316	53.288	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	193537	52.773	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	88581	53.769	ug/l	98
56) Ethyl methacrylate	10.439	69	128298	54.268	ug/l	96
57) 1,3-Dichloropropane	10.719	76	156012	53.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	312651	265.353	ug/l	99
59) 2-Hexanone	10.762	43	300454	299.896	ug/l	98
60) Dibromochloromethane	10.914	129	110167	52.350	ug/l	97
61) 1,2-Dibromoethane	11.018	107	80164	53.202	ug/l	98
64) Tetrachloroethene	10.646	164	128759	49.960	ug/l	97
65) Chlorobenzene	11.444	112	340296	52.737	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	115325	52.750	ug/l	100
67) Ethyl Benzene	11.518	91	640335	53.445	ug/l	99
68) m/p-Xylenes	11.627	106	478725	105.386	ug/l	99
69) o-Xylene	11.957	106	223592	52.372	ug/l	99
70) Styrene	11.969	104	377497	53.102	ug/l	98
71) Bromoform	12.133	173	60534	52.861	ug/l #	99
73) Isopropylbenzene	12.255	105	590708	53.202	ug/l	99
74) N-amyl acetate	12.072	43	151932	55.921	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	95330	54.495	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	74219m	52.522	ug/l	
77) Bromobenzene	12.530	156	123295	51.601	ug/l	97
78) n-propylbenzene	12.597	91	724086	54.342	ug/l	99
79) 2-Chlorotoluene	12.682	91	383669	53.192	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	465580	53.667	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	34068	54.520	ug/l	98
82) 4-Chlorotoluene	12.780	91	395252	53.206	ug/l	100
83) tert-Butylbenzene	12.999	119	422268	53.873	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	467206	53.516	ug/l	99
85) sec-Butylbenzene	13.176	105	635190	54.644	ug/l	100
86) p-Isopropyltoluene	13.292	119	526830	54.274	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	252923	52.609	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	242932	52.846	ug/l	98
89) n-Butylbenzene	13.621	91	502383	55.199	ug/l	99
90) Hexachloroethane	13.883	117	103024	53.335	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	213313	53.121	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14324	52.990	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	119498	53.679	ug/l	99
94) Hexachlorobutadiene	15.023	225	63399	54.267	ug/l	98
95) Naphthalene	15.145	128	228264	55.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	97859	53.600	ug/l	99

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

