

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022451.D
 Acq On : 28 May 2025 15:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025

Quant Time: May 29 01:58:52 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	208770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	313936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150395	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	115771	52.647	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.300%	
35) Dibromofluoromethane	7.640	113	107233	49.892	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.780%	
50) Toluene-d8	10.109	98	432283	49.338	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.408	95	129468	48.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.700%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	89816	45.093	ug/l	94
3) Chloromethane	2.074	50	221460	45.201	ug/l	98
4) Vinyl Chloride	2.208	62	303953	51.068	ug/l	98
5) Bromomethane	2.598	94	250978	46.402	ug/l	99
6) Chloroethane	2.739	64	214429	55.132	ug/l	99
7) Trichlorofluoromethane	3.056	101	254793	50.737	ug/l	99
8) Diethyl Ether	3.458	74	59393	51.293	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	107962	49.004	ug/l	99
10) Methyl Iodide	4.007	142	137799	55.440	ug/l	99
11) Tert butyl alcohol	4.872	59	39328	253.728	ug/l	100
12) 1,1-Dichloroethene	3.799	96	108866	49.771	ug/l	93
13) Acrolein	3.659	56	52413	225.678	ug/l	96
14) Allyl chloride	4.391	41	172537	52.438	ug/l	99
15) Acrylonitrile	5.067	53	122150	261.715	ug/l	97
16) Acetone	3.879	43	93289	258.170	ug/l	95
17) Carbon Disulfide	4.110	76	343230	49.172	ug/l	98
18) Methyl Acetate	4.391	43	82406	60.880	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	305429	52.596	ug/l	100
20) Methylene Chloride	4.622	84	122815	48.131	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	120641	50.521	ug/l	95
22) Diisopropyl ether	6.025	45	376741	51.880	ug/l	97
23) Vinyl Acetate	5.964	43	1044102	250.409	ug/l	100
24) 1,1-Dichloroethane	5.921	63	227039	52.911	ug/l	99
25) 2-Butanone	6.902	43	156136	259.451	ug/l	98
26) 2,2-Dichloropropane	6.890	77	196267	50.514	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	144183	52.156	ug/l	100
28) Bromochloromethane	7.250	49	96287	53.737	ug/l	99
29) Tetrahydrofuran	7.268	42	103604	258.139	ug/l	98
30) Chloroform	7.421	83	226859	53.654	ug/l	98
31) Cyclohexane	7.707	56	201326	47.597	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	199562	52.005	ug/l	100
36) 1,1-Dichloropropene	7.841	75	166443	48.802	ug/l	98
37) Ethyl Acetate	6.988	43	69588	48.010	ug/l	99
38) Carbon Tetrachloride	7.823	117	171823	48.362	ug/l	98
39) Methylcyclohexane	9.109	83	211399	46.629	ug/l	97
40) Benzene	8.085	78	511430	50.395	ug/l	99

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41) Methacrylonitrile	7.226	41	44932	51.075	ug/l	93
42) 1,2-Dichloroethane	8.158	62	136880	51.069	ug/l	100
43) Isopropyl Acetate	8.201	43	152687	48.207	ug/l #	87
44) Trichloroethene	8.866	130	122653	48.890	ug/l	98
45) 1,2-Dichloropropane	9.146	63	120773	50.651	ug/l	98
46) Dibromomethane	9.231	93	66615	50.012	ug/l	99
47) Bromodichloromethane	9.426	83	172046	50.228	ug/l	99
48) Methyl methacrylate	9.225	41	77802	52.917	ug/l	95
49) 1,4-Dioxane	9.231	88	14844	1008.958	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	401116	256.674	ug/l	99
52) Toluene	10.170	92	318974	50.322	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	161174	50.516	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	187447	50.000	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	84007	49.883	ug/l	97
56) Ethyl methacrylate	10.438	69	119256	49.346	ug/l	99
57) 1,3-Dichloropropane	10.719	76	151098	50.913	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	308545	256.170	ug/l	99
59) 2-Hexanone	10.762	43	265364	259.108	ug/l	100
60) Dibromochloromethane	10.914	129	110576	51.401	ug/l	99
61) 1,2-Dibromoethane	11.018	107	79548	51.644	ug/l	100
64) Tetrachloroethene	10.652	164	128944	48.228	ug/l	98
65) Chlorobenzene	11.444	112	335311	50.091	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	114121	50.317	ug/l	99
67) Ethyl Benzene	11.517	91	611059	49.162	ug/l	99
68) m/p-Xylenes	11.627	106	466907	99.078	ug/l	100
69) o-Xylene	11.956	106	220691	49.828	ug/l	100
70) Styrene	11.969	104	375121	50.865	ug/l	99
71) Bromoform	12.133	173	58530	49.268	ug/l	100
73) Isopropylbenzene	12.255	105	569740	48.134	ug/l	99
74) N-amyl acetate	12.072	43	138478	47.811	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	93473	50.123	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	72894m	48.388	ug/l	
77) Bromobenzene	12.536	156	122825	48.220	ug/l	98
78) n-propylbenzene	12.597	91	690424	48.605	ug/l	99
79) 2-Chlorotoluene	12.682	91	374270	48.674	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	451676	48.838	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31546	47.356	ug/l	98
82) 4-Chlorotoluene	12.779	91	384804	48.590	ug/l	100
83) tert-Butylbenzene	12.999	119	403071	48.238	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	458724	49.288	ug/l	100
85) sec-Butylbenzene	13.176	105	606331	48.929	ug/l	100
86) p-Isopropyltoluene	13.292	119	503097	48.618	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	248248	48.437	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	238595	48.687	ug/l	98
89) n-Butylbenzene	13.621	91	473582	48.810	ug/l	99
90) Hexachloroethane	13.883	117	98874	48.015	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	206760	48.299	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14066	48.811	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	117167	49.370	ug/l	98
94) Hexachlorobutadiene	15.023	225	60281	48.401	ug/l	97
95) Naphthalene	15.145	128	224238	51.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	98435	50.575	ug/l	97

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

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