

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022426.D
 Acq On : 27 May 2025 10:44
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	261566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	431909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	376608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	182671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	422539	153.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 306.740%#			
35) Dibromofluoromethane	7.640	113	398438	157.523	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 315.040%#			
50) Toluene-d8	10.109	98	1621564	157.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 314.520%#			
62) 4-Bromofluorobenzene	12.408	95	487100	156.173	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 312.340%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	336978	135.034	ug/l	98
3) Chloromethane	2.068	50	715868	116.621	ug/l	97
4) Vinyl Chloride	2.208	62	986607	132.303	ug/l	99
5) Bromomethane	2.586	94	1055313	155.728	ug/l	99
6) Chloroethane	2.732	64	711645	146.039	ug/l	100
7) Trichlorofluoromethane	3.050	101	935844	148.741	ug/l	99
8) Diethyl Ether	3.458	74	220632	152.083	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	401637	145.505	ug/l	99
10) Methyl Iodide	4.007	142	499602	160.432	ug/l	99
11) Tert butyl alcohol	4.878	59	150306	773.955	ug/l	98
12) 1,1-Dichloroethene	3.793	96	404241	147.508	ug/l	98
13) Acrolein	3.653	56	224761	772.427	ug/l	99
14) Allyl chloride	4.385	41	634755	153.977	ug/l	99
15) Acrylonitrile	5.067	53	455189	778.419	ug/l	99
16) Acetone	3.873	43	327320	722.994	ug/l #	85
17) Carbon Disulfide	4.110	76	1295027	148.080	ug/l	100
18) Methyl Acetate	4.385	43	300253	177.047	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	1134189	155.888	ug/l	100
20) Methylene Chloride	4.616	84	426225	133.322	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	456846	152.698	ug/l	99
22) Diisopropyl ether	6.025	45	1404193	154.338	ug/l	96
23) Vinyl Acetate	5.964	43	4042390	773.807	ug/l	100
24) 1,1-Dichloroethane	5.921	63	828730	154.149	ug/l	99
25) 2-Butanone	6.896	43	603839	800.866	ug/l	99
26) 2,2-Dichloropropane	6.890	77	737854	151.572	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	537325	155.137	ug/l	99
28) Bromochloromethane	7.250	49	342656	152.635	ug/l	98
29) Tetrahydrofuran	7.268	42	397295	790.090	ug/l	100
30) Chloroform	7.427	83	814685	153.787	ug/l	98
31) Cyclohexane	7.707	56	730410	137.826	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	737686	153.436	ug/l	100
36) 1,1-Dichloropropene	7.841	75	623501	155.342	ug/l	100
37) Ethyl Acetate	6.988	43	261975	153.581	ug/l	99
38) Carbon Tetrachloride	7.823	117	663867	158.776	ug/l	99
39) Methylcyclohexane	9.109	83	824642	154.561	ug/l	99
40) Benzene	8.085	78	1893003	158.501	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	171379m	76.337	ug/l	
42) 1,2-Dichloroethane	8.158	62	497991	157.877	ug/l	100
43) Isopropyl Acetate	8.201	43	587308	157.564	ug/l	100
44) Trichloroethene	8.866	130	449921	152.390	ug/l	95
45) 1,2-Dichloropropane	9.146	63	438721	156.346	ug/l	99
46) Dibromomethane	9.231	93	249636	159.252	ug/l	99
47) Bromodichloromethane	9.426	83	639597	158.668	ug/l	98
48) Methyl methacrylate	9.225	41	288821	166.922	ug/l	98
49) 1,4-Dioxane	9.231	88	55890	3228.011	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1565663	851.310	ug/l	100
52) Toluene	10.170	92	1239585	166.170	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	612236	163.055	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	708367	160.557	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	314785	158.829	ug/l	99
56) Ethyl methacrylate	10.438	69	478765	168.334	ug/l	98
57) 1,3-Dichloropropane	10.719	76	549047	157.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1202134	848.088	ug/l	100
59) 2-Hexanone	10.762	43	1032146	856.364	ug/l	99
60) Dibromochloromethane	10.914	129	415432	164.093	ug/l	99
61) 1,2-Dibromoethane	11.018	107	292010	161.091	ug/l	98
64) Tetrachloroethene	10.652	164	466490	145.442	ug/l	99
65) Chlorobenzene	11.444	112	1273300	158.560	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	454374	166.998	ug/l	98
67) Ethyl Benzene	11.518	91	2468130	165.526	ug/l	99
68) m/p-Xylenes	11.633	106	1900132	336.111	ug/l	99
69) o-Xylene	11.956	106	894394	168.335	ug/l	99
70) Styrene	11.969	104	1535004	173.504	ug/l	99
71) Bromoform	12.133	173	237301	166.508	ug/l	# 100
73) Isopropylbenzene	12.255	105	2238981	155.735	ug/l	100
74) N-amyl acetate	12.072	43	561846	159.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	357601	157.873	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	280272m	93.124	ug/l	
77) Bromobenzene	12.530	156	484799	156.697	ug/l	98
78) n-propylbenzene	12.597	91	2681276	155.406	ug/l	100
79) 2-Chlorotoluene	12.682	91	1451439	155.407	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1785622	158.958	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	129469	160.016	ug/l	96
82) 4-Chlorotoluene	12.779	91	1513977	157.395	ug/l	100
83) tert-Butylbenzene	12.999	119	1594195	157.076	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1831722	162.038	ug/l	100
85) sec-Butylbenzene	13.176	105	2373216	157.674	ug/l	99
86) p-Isopropyltoluene	13.292	119	2084441	165.843	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	1027086	164.991	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	924346	155.292	ug/l	99
89) n-Butylbenzene	13.621	91	1889271	160.316	ug/l	99
90) Hexachloroethane	13.883	117	386833	154.660	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	812262	156.218	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	52777	150.784	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	468879	162.662	ug/l	98
94) Hexachlorobutadiene	15.023	225	236480	156.325	ug/l	97
95) Naphthalene	15.145	128	915763	171.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	395519	167.307	ug/l	98

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

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