

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021960.D
 Acq On : 22 Apr 2025 17:01
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042225

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:36:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	332081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	512398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	467094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147920	48.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.440%		
35) Dibromofluoromethane	7.634	113	165837	48.989	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.980%		
50) Toluene-d8	10.103	98	644989	50.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.080%		
62) 4-Bromofluorobenzene	12.402	95	219958	51.198	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	131226	46.375	ug/l	99
3) Chloromethane	2.068	50	183085	45.440	ug/l	97
4) Vinyl Chloride	2.202	62	224944	45.432	ug/l	99
5) Bromomethane	2.592	94	176551	41.389	ug/l	98
6) Chloroethane	2.733	64	149594	44.363	ug/l	96
7) Trichlorofluoromethane	3.056	101	301166	46.128	ug/l	98
8) Diethyl Ether	3.452	74	78016	45.910	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	163507	46.166	ug/l	99
10) Methyl Iodide	4.001	142	185031	45.123	ug/l	99
11) Tert butyl alcohol	4.872	59	38184	226.751	ug/l	97
12) 1,1-Dichloroethene	3.787	96	159060	48.182	ug/l	98
13) Acrolein	3.653	56	68719	227.366	ug/l	99
14) Allyl chloride	4.379	41	182426	47.458	ug/l	99
15) Acrylonitrile	5.055	53	140962	226.587	ug/l	98
16) Acetone	3.873	43	93445	231.130	ug/l	90
17) Carbon Disulfide	4.104	76	494065	46.938	ug/l	99
18) Methyl Acetate	4.385	43	70072	48.904	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	353863	47.891	ug/l	99
20) Methylene Chloride	4.610	84	175109	45.147	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	175356	47.430	ug/l	95
22) Diisopropyl ether	6.019	45	412936	48.273	ug/l	99
23) Vinyl Acetate	5.958	43	1105629	239.824	ug/l	100
24) 1,1-Dichloroethane	5.915	63	275152	46.404	ug/l	99
25) 2-Butanone	6.890	43	153920	220.139	ug/l	97
26) 2,2-Dichloropropane	6.884	77	240796	46.334	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	197583	47.795	ug/l	99
28) Bromochloromethane	7.244	49	111601	48.457	ug/l	98
29) Tetrahydrofuran	7.262	42	104080	229.194	ug/l	95
30) Chloroform	7.421	83	306777	46.643	ug/l	98
31) Cyclohexane	7.701	56	236026	46.548	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	279709	47.007	ug/l	99
36) 1,1-Dichloropropene	7.835	75	217873	47.914	ug/l	98
37) Ethyl Acetate	6.982	43	75275	46.092	ug/l	98
38) Carbon Tetrachloride	7.817	117	258803	47.630	ug/l	98
39) Methylcyclohexane	9.110	83	283178	49.486	ug/l	98
40) Benzene	8.079	78	677917	47.692	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	38694	43.342	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	163549	46.472	ug/l	99
43) Isopropyl Acetate	8.195	43	145980	46.545	ug/l	98
44) Trichloroethene	8.860	130	185153	47.027	ug/l	99
45) 1,2-Dichloropropane	9.140	63	148767	47.326	ug/l	97
46) Dibromomethane	9.231	93	91655	46.578	ug/l	99
47) Bromodichloromethane	9.420	83	235736	47.955	ug/l	97
48) Methyl methacrylate	9.219	41	71174	49.090	ug/l	98
49) 1,4-Dioxane	9.225	88	19954	951.409	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	391245	237.972	ug/l	100
52) Toluene	10.170	92	448774	48.774	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	201939	47.893	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	241197	48.122	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	124598	47.403	ug/l	97
56) Ethyl methacrylate	10.439	69	150855	50.188	ug/l	99
57) 1,3-Dichloropropane	10.713	76	198147	47.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	373183	253.928	ug/l	99
59) 2-Hexanone	10.756	43	258458	238.340	ug/l	100
60) Dibromochloromethane	10.908	129	170608	46.882	ug/l	97
61) 1,2-Dibromoethane	11.012	107	117095	47.188	ug/l	99
64) Tetrachloroethene	10.646	164	205118	46.550	ug/l	96
65) Chlorobenzene	11.438	112	498605	47.734	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.512	131	177647	48.308	ug/l	99
67) Ethyl Benzene	11.518	91	856779	50.142	ug/l	100
68) m/p-Xylenes	11.627	106	687961	101.181	ug/l	99
69) o-Xylene	11.950	106	319291	50.949	ug/l	99
70) Styrene	11.969	104	542034	51.513	ug/l	100
71) Bromoform	12.127	173	102241	47.821	ug/l #	100
73) Isopropylbenzene	12.249	105	833210	49.765	ug/l	99
74) N-amyl acetate	12.066	43	133081	46.264	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	130070	46.078	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	92664m	43.169	ug/l	
77) Bromobenzene	12.530	156	201978	47.741	ug/l	99
78) n-propylbenzene	12.591	91	995089	49.907	ug/l	100
79) 2-Chlorotoluene	12.676	91	560663	48.351	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	691575	50.131	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	39491	44.304	ug/l	98
82) 4-Chlorotoluene	12.773	91	583487	48.406	ug/l	100
83) tert-Butylbenzene	12.993	119	637155	51.499	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	693849	50.285	ug/l	100
85) sec-Butylbenzene	13.170	105	912398	50.397	ug/l	99
86) p-Isopropyltoluene	13.292	119	781445	50.831	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	408394	47.528	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	401694	47.202	ug/l	99
89) n-Butylbenzene	13.615	91	689937	50.209	ug/l	99
90) Hexachloroethane	13.877	117	160136	47.410	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	354764	47.337	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19379	43.151	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	207298	48.811	ug/l	99
94) Hexachlorobutadiene	15.023	225	126404	48.376	ug/l	98
95) Naphthalene	15.145	128	345515	48.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	175651	47.914	ug/l	100

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

