

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020980.D
 Acq On : 30 Jan 2025 12:26
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY013025

Quant Time: Jan 31 04:37:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 02:19:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/31/2025
 Supervised By : Mahesh Dadoda 01/31/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	257567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	368311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	330062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	170939	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109881	50.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.220%
35) Dibromofluoromethane	7.640	113	115051	51.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.920%
50) Toluene-d8	10.115	98	452111	52.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.620%
62) 4-Bromofluorobenzene	12.414	95	161570	55.715	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	111.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	104988	47.938	ug/l	99
3) Chloromethane	2.074	50	66466	47.736	ug/l	100
4) Vinyl Chloride	2.208	62	69330	48.292	ug/l	99
5) Bromomethane	2.605	94	46083	47.417	ug/l	98
6) Chloroethane	2.745	64	40008	47.706	ug/l	99
7) Trichlorofluoromethane	3.068	101	162577	46.926	ug/l	98
8) Diethyl Ether	3.458	74	50751	49.068	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	110435	47.338	ug/l	100
10) Methyl Iodide	4.013	142	118315	44.319	ug/l	97
11) Tert butyl alcohol	4.866	59	32832	204.954	ug/l	100
12) 1,1-Dichloroethene	3.799	96	103852	47.635	ug/l	93
13) Acrolein	3.659	56	43359	235.046	ug/l	99
14) Allyl chloride	4.397	41	143163	47.698	ug/l	99
15) Acrylonitrile	5.068	53	106605	250.576	ug/l	99
16) Acetone	3.879	43	72199	241.556	ug/l	92
17) Carbon Disulfide	4.116	76	323819	48.225	ug/l	100
18) Methyl Acetate	4.397	43	51880	49.605	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	248047	48.881	ug/l	97
20) Methylene Chloride	4.629	84	103852	47.110	ug/l	98
21) trans-1,2-Dichloroethene	5.128	96	111896	47.871	ug/l	100
22) Diisopropyl ether	6.031	45	291213	47.599	ug/l	97
23) Vinyl Acetate	5.970	43	839179	247.686	ug/l	99
24) 1,1-Dichloroethane	5.927	63	184358	46.709	ug/l	99
25) 2-Butanone	6.903	43	121769	240.151	ug/l	100
26) 2,2-Dichloropropane	6.896	77	179402	46.166	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	127508	47.459	ug/l	99
28) Bromochloromethane	7.256	49	65126	44.288	ug/l	99
29) Tetrahydrofuran	7.268	42	82865	242.863	ug/l	98
30) Chloroform	7.427	83	196922	46.065	ug/l	98
31) Cyclohexane	7.713	56	171832	44.540	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	191876	46.378	ug/l	99
36) 1,1-Dichloropropene	7.848	75	150610	47.679	ug/l	99
37) Ethyl Acetate	6.994	43	59554	50.570	ug/l	99
38) Carbon Tetrachloride	7.823	117	186306	47.660	ug/l	99
39) Methylcyclohexane	9.116	83	208108	49.042	ug/l	98
40) Benzene	8.085	78	445547	47.936	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	33162	50.894	ug/l	95
42) 1,2-Dichloroethane	8.165	62	113218	48.031	ug/l	99
43) Isopropyl Acetate	8.201	43	116373	49.464	ug/l #	84
44) Trichloroethene	8.872	130	122181	47.639	ug/l	98
45) 1,2-Dichloropropane	9.146	63	99201	47.618	ug/l	99
46) Dibromomethane	9.238	93	57488	47.419	ug/l	99
47) Bromodichloromethane	9.427	83	151421	47.560	ug/l	98
48) Methyl methacrylate	9.225	41	54989	49.093	ug/l	97
49) 1,4-Dioxane	9.238	88	12482	968.915	ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	300318	248.421	ug/l	99
52) Toluene	10.176	92	291183	48.263	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	144357	50.105	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	166972	48.490	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	78532	48.709	ug/l	98
56) Ethyl methacrylate	10.445	69	108174	51.329	ug/l	98
57) 1,3-Dichloropropane	10.725	76	134628	49.266	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	238552	266.692	ug/l	100
59) 2-Hexanone	10.768	43	201831	256.852	ug/l	100
60) Dibromochloromethane	10.920	129	111336	48.432	ug/l	99
61) 1,2-Dibromoethane	11.018	107	76074	49.400	ug/l	99
64) Tetrachloroethene	10.652	164	115843	46.528	ug/l	98
65) Chlorobenzene	11.451	112	324779	46.704	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.524	131	116021	47.009	ug/l	99
67) Ethyl Benzene	11.524	91	577522	47.965	ug/l	100
68) m/p-Xylenes	11.633	106	447158	96.662	ug/l	100
69) o-Xylene	11.963	106	208508	48.485	ug/l	100
70) Styrene	11.975	104	350408	49.078	ug/l	100
71) Bromoform	12.139	173	70757	48.644	ug/l #	99
73) Isopropylbenzene	12.261	105	573255	47.750	ug/l	100
74) N-ethyl acetate	12.078	43	108796	49.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	91558	47.246	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	59519m	43.984	ug/l	
77) Bromobenzene	12.542	156	133204	46.798	ug/l	98
78) n-propylbenzene	12.603	91	680436	48.360	ug/l	100
79) 2-Chlorotoluene	12.688	91	383456	47.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	471574	47.945	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	32092	49.230	ug/l	96
82) 4-Chlorotoluene	12.786	91	393831	48.001	ug/l	100
83) tert-Butylbenzene	13.005	119	435525	47.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	465710	48.472	ug/l	99
85) sec-Butylbenzene	13.182	105	623429	48.272	ug/l	100
86) p-Isopropyltoluene	13.298	119	528479	48.693	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	262337	47.269	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	256285	46.504	ug/l	99
89) n-Butylbenzene	13.627	91	479003	49.273	ug/l	99
90) Hexachloroethane	13.889	117	104536	47.609	ug/l	100
91) 1,2-Dichlorobenzene	13.670	146	229460	47.411	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	14371	48.168	ug/l	99
93) 1,2,4-Trichlorobenzene	14.932	180	142572	48.112	ug/l	98
94) Hexachlorobutadiene	15.035	225	94623	46.104	ug/l	99
95) Naphthalene	15.151	128	236423	44.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	120513	42.817	ug/l	100

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

