

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022350.D
 Acq On : 20 May 2025 18:04
 Operator : SY/MD
 Sample : Q2075-04MS
 Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-11MS

Quant Time: May 21 01:55:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
 Supervised By :Semsettin Yesilyurt 05/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	134739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	248613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	210937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	91777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72386	49.156	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.320%		
35) Dibromofluoromethane	7.634	113	62420	42.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.140%		
50) Toluene-d8	10.103	98	237206	39.032	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	78.060%		
62) 4-Bromofluorobenzene	12.402	95	70287	36.488	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	72.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	56348	40.078	ug/l	98
3) Chloromethane	2.068	50	123754	41.844	ug/l	97
4) Vinyl Chloride	2.202	62	174062	52.678	ug/l	99
5) Bromomethane	2.592	94	141829	52.728	ug/l	98
6) Chloroethane	2.733	64	122520	59.602	ug/l	96
7) Trichlorofluoromethane	3.050	101	156156	46.678	ug/l	98
8) Diethyl Ether	3.458	74	43057	53.630	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	66020	45.458	ug/l	99
10) Methyl Iodide	4.007	142	72138	42.915	ug/l	98
11) Tert butyl alcohol	4.854	59	35711	317.570	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	67155	46.595	ug/l	94
13) Acrolein	3.653	56	7463	45.397	ug/l	93
14) Allyl chloride	4.385	41	98704	39.058	ug/l	95
15) Acrylonitrile	5.061	53	103710	313.501	ug/l	99
16) Acetone	3.866	43	110655	400.754	ug/l	97
17) Carbon Disulfide	4.104	76	208241	44.308	ug/l	97
18) Methyl Acetate	4.385	43	84160	96.672	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	218891	55.081	ug/l	97
20) Methylene Chloride	4.610	84	87018	48.772	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	73716	46.338	ug/l	93
22) Diisopropyl ether	6.019	45	245578	46.017	ug/l	96
23) Vinyl Acetate	5.958	43	330432m	102.488	ug/l	
24) 1,1-Dichloroethane	5.915	63	139506	46.790	ug/l	98
25) 2-Butanone	6.890	43	148252	320.987	ug/l	99
26) 2,2-Dichloropropane	6.884	77	112808	42.539	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	89679	48.851	ug/l	96
28) Bromochloromethane	7.244	49	64533	50.744	ug/l	95
29) Tetrahydrofuran	7.262	42	90620	304.973	ug/l	94
30) Chloroform	7.421	83	142853	49.952	ug/l	100
31) Cyclohexane	7.701	56	125366	42.084	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	119863	45.684	ug/l	99
36) 1,1-Dichloropropene	7.835	75	98113	40.143	ug/l	99
37) Ethyl Acetate	6.982	43	56188	47.780	ug/l	98
38) Carbon Tetrachloride	7.817	117	99798	39.447	ug/l	98
39) Methylcyclohexane	9.109	83	138464	42.168	ug/l	95
40) Benzene	8.079	78	337331	46.557	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	37494m	48.065	ug/l	
42) 1,2-Dichloroethane	8.158	62	93895	47.921	ug/l	99
43) Isopropyl Acetate	8.195	43	118747	46.301	ug/l	98
44) Trichloroethene	8.866	130	76767	42.611	ug/l	96
45) 1,2-Dichloropropane	9.140	63	77314	44.259	ug/l	100
46) Dibromomethane	9.231	93	47093	49.983	ug/l	98
47) Bromodichloromethane	9.420	83	110805	45.333	ug/l	97
48) Methyl methacrylate	9.219	41	61695	51.439	ug/l	93
49) 1,4-Dioxane	9.225	88	12584	1182.288	ug/l	87
51) 4-Methyl-2-Pentanone	9.993	43	331638	263.537	ug/l	96
52) Toluene	10.170	92	270916	59.047	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	100132	41.978	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	111408	40.765	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	63450	52.591	ug/l	97
56) Ethyl methacrylate	10.438	69	86668	46.116	ug/l	97
57) 1,3-Dichloropropane	10.713	76	106036	49.466	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	233392	276.682	ug/l	97
59) 2-Hexanone	10.755	43	229677	272.212	ug/l	98
60) Dibromochloromethane	10.908	129	74674	47.686	ug/l	99
61) 1,2-Dibromoethane	11.012	107	57989	51.569	ug/l	100
64) Tetrachloroethene	10.646	164	86840	44.540	ug/l	97
65) Chlorobenzene	11.438	112	202100	42.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	72002	44.010	ug/l	99
67) Ethyl Benzene	11.518	91	610361	68.483	ug/l	98
68) m/p-Xylenes	11.621	106	644327	191.856	ug/l	97
69) o-Xylene	11.950	106	336339	105.852	ug/l	97
70) Styrene	11.969	104	229737	42.862	ug/l	85
71) Bromoform	12.133	173	41163	46.614	ug/l #	100
73) Isopropylbenzene	12.255	105	380671	50.067	ug/l	100
74) N-amyl acetate	12.066	43	39779	18.293	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	67117	57.399	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	49717m	53.471	ug/l	
77) Bromobenzene	12.530	156	74750	46.031	ug/l	100
78) n-propylbenzene	12.591	91	533019	58.120	ug/l	100
79) 2-Chlorotoluene	12.676	91	302269	59.976	ug/l	86
80) 1,3,5-Trimethylbenzene	12.737	105	429588	69.992	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	17234	37.548	ug/l	97
82) 4-Chlorotoluene	12.779	91	214721	41.421	ug/l	97
83) tert-Butylbenzene	12.993	119	230609	42.273	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1031502	169.301	ug/l	98
85) sec-Butylbenzene	13.176	105	368553	45.512	ug/l	100
86) p-Isopropyltoluene	13.292	119	291194	42.756	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	138719	41.845	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	134979	42.329	ug/l	99
89) n-Butylbenzene	13.615	91	289529	44.935	ug/l	90
90) Hexachloroethane	13.883	117	61677	44.862	ug/l	86
91) 1,2-Dichlorobenzene	13.657	146	121088	43.485	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11322	60.046	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	52505	32.643	ug/l #	89
94) Hexachlorobutadiene	15.023	225	25002	27.873	ug/l	97
95) Naphthalene	15.145	128	206730	67.728	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	45418	33.285	ug/l #	69

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

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