

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022349.D
 Acq On : 20 May 2025 17:41
 Operator : SY/MD
 Sample : Q2032-06MSD
 Misc : 6.23g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24MSD

Quant Time: May 21 01:54:23 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	16153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	22646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	16045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	6318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	8294	46.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.960%			
35) Dibromofluoromethane	7.634	113	6826	50.501	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.000%			
50) Toluene-d8	10.103	98	28858	52.130	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.408	95	7351	41.895	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	10576	62.747	ug/l	95
3) Chloromethane	2.068	50	15048	42.442	ug/l	95
4) Vinyl Chloride	2.202	62	26429	66.719	ug/l	100
5) Bromomethane	2.598	94	12046	37.356	ug/l	96
6) Chloroethane	2.739	64	15500	62.896	ug/l	96
7) Trichlorofluoromethane	3.056	101	21134	52.695	ug/l	99
8) Diethyl Ether	3.446	74	4070	42.286	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.806	101	12921	74.211	ug/l	97
10) Methyl Iodide	3.995	142	11297	56.060	ug/l	98
11) Tert butyl alcohol	4.842	59	4804	356.353	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	10869	62.906	ug/l	91
13) Acrolein	3.647	56	2482	125.939	ug/l	86
14) Allyl chloride	4.379	41	11650	38.454	ug/l	93
15) Acrylonitrile	5.049	53	11901	300.084	ug/l	96
16) Acetone	3.854	43	15288	461.846	ug/l	99
17) Carbon Disulfide	4.104	76	30044	53.323	ug/l	96
18) Methyl Acetate	4.379	43	11502	110.206	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	20723	43.498	ug/l	94
20) Methylene Chloride	4.610	84	7940	37.121	ug/l	87
21) trans-1,2-Dichloroethene	5.110	96	9176	48.114	ug/l	90
22) Diisopropyl ether	6.025	45	21616	33.786	ug/l	97
23) Vinyl Acetate	5.964	43	36533m	94.519	ug/l	
24) 1,1-Dichloroethane	5.909	63	15360	42.973	ug/l #	91
25) 2-Butanone	6.896	43	16846	304.245	ug/l	94
26) 2,2-Dichloropropane	6.890	77	16228	51.045	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	9267	42.107	ug/l	98
28) Bromochloromethane	7.244	49	6476	42.476	ug/l	98
29) Tetrahydrofuran	7.262	42	11083	311.125	ug/l	93
30) Chloroform	7.421	83	14078	41.062	ug/l	94
31) Cyclohexane	7.701	56	21939	61.432	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	17639	56.078	ug/l	99
36) 1,1-Dichloropropene	7.841	75	14864	66.765	ug/l	97
37) Ethyl Acetate	6.982	43	5897	55.051	ug/l #	90
38) Carbon Tetrachloride	7.817	117	16234	70.445	ug/l	88
39) Methylcyclohexane	9.103	83	22450	75.057	ug/l	94
40) Benzene	8.079	78	32761	49.638	ug/l	94

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41) Methacrylonitrile	7.220	41	4410	62.063	ug/l #	68
42) 1,2-Dichloroethane	8.158	62	8464	47.423	ug/l	99
43) Isopropyl Acetate	8.195	43	12549	53.717	ug/l	97
44) Trichloroethene	8.866	130	9336	56.890	ug/l	97
45) 1,2-Dichloropropane	9.140	63	7344	46.154	ug/l	89
46) Dibromomethane	9.225	93	4390	51.152	ug/l	97
47) Bromodichloromethane	9.420	83	9943	44.659	ug/l	94
48) Methyl methacrylate	9.219	41	5980	54.736	ug/l	96
49) 1,4-Dioxane	9.219	88	1721	1775.079	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	33849	295.294	ug/l	97
52) Toluene	10.170	92	19038	45.553	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	8593	39.548	ug/l	93
54) cis-1,3-Dichloropropene	9.853	75	9418	37.832	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	5756	52.376	ug/l	90
56) Ethyl methacrylate	10.439	69	7975	46.586	ug/l	95
57) 1,3-Dichloropropane	10.713	76	9586	49.093	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	18139	236.070	ug/l	98
59) 2-Hexanone	10.762	43	20675	269.010	ug/l	97
60) Dibromochloromethane	10.914	129	6117	42.883	ug/l	100
61) 1,2-Dibromoethane	11.012	107	5012	48.932	ug/l	97
64) Tetrachloroethene	10.646	164	10095	68.069	ug/l	89
65) Chlorobenzene	11.438	112	17975	49.656	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	5931	47.659	ug/l	95
67) Ethyl Benzene	11.518	91	36875	54.393	ug/l	95
68) m/p-Xylenes	11.633	106	26611	104.170	ug/l	95
69) o-Xylene	11.957	106	12285	50.829	ug/l	90
70) Styrene	11.969	104	16436	40.314	ug/l	96
71) Bromoform	12.133	173	3353	49.918	ug/l #	99
73) Isopropylbenzene	12.255	105	37516	71.675	ug/l	99
74) N-amyl acetate	12.072	43	2552	17.048	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.505	83	6089	75.643	ug/l	94
76) 1,2,3-Trichloropropane	12.554	75	3767m	58.852	ug/l	
77) Bromobenzene	12.530	156	5816	52.026	ug/l	94
78) n-propylbenzene	12.597	91	42156	66.772	ug/l	98
79) 2-Chlorotoluene	12.682	91	19408	55.939	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	25630	60.660	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	1224	38.738	ug/l	93
82) 4-Chlorotoluene	12.773	91	17538	49.145	ug/l	95
83) tert-Butylbenzene	12.999	119	26015	69.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	21900	52.214	ug/l	96
85) sec-Butylbenzene	13.176	105	39635	71.099	ug/l	100
86) p-Isopropyltoluene	13.292	119	28766	61.354	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	9902	43.389	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	9009	41.040	ug/l	100
89) n-Butylbenzene	13.621	91	25111	56.613	ug/l	98
90) Hexachloroethane	13.877	117	4873	51.488	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	8375	43.690	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.279	75	745	57.394	ug/l	83
93) 1,2,4-Trichlorobenzene	14.926	180	2487	22.460	ug/l	95
94) Hexachlorobutadiene	15.023	225	2736	44.308	ug/l	97
95) Naphthalene	15.145	128	5908	28.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	1923	20.472	ug/l	94

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

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