

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022299.D
 Acq On : 16 May 2025 18:21
 Operator : SY/MD
 Sample : Q2032-05MS
 Misc : 6.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24MS

Quant Time: May 17 01:37:52 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 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	85720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	143246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	125367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	61389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53688	57.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.620%			
35) Dibromofluoromethane	7.628	113	41957	49.074	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.140%			
50) Toluene-d8	10.103	98	163082	46.573	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.140%			
62) 4-Bromofluorobenzene	12.401	95	53080	47.825	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	65339	73.049	ug/l	96
3) Chloromethane	2.068	50	127605	67.820	ug/l	98
4) Vinyl Chloride	2.202	62	188758	89.794	ug/l	93
5) Bromomethane	2.592	94	136613	79.832	ug/l	98
6) Chloroethane	2.732	64	122372	93.572	ug/l	97
7) Trichlorofluoromethane	3.049	101	180595	84.853	ug/l	100
8) Diethyl Ether	3.452	74	37141	72.716	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	71792	77.699	ug/l	99
10) Methyl Iodide	4.000	142	69479	64.970	ug/l	99
11) Tert butyl alcohol	4.860	59	40839	570.851	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	68701	74.926	ug/l	98
13) Acrolein	3.653	56	28976	277.056	ug/l	96
14) Allyl chloride	4.378	41	105288	65.489	ug/l	99
15) Acrylonitrile	5.055	53	114139	542.330	ug/l	99
16) Acetone	3.872	43	130352	742.054	ug/l	98
17) Carbon Disulfide	4.104	76	213156	71.290	ug/l	99
18) Methyl Acetate	4.385	43	86432	156.056	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	190951	75.528	ug/l	100
20) Methylene Chloride	4.604	84	71144	62.678	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	69295	68.468	ug/l	95
22) Diisopropyl ether	6.018	45	208938	61.540	ug/l	96
23) Vinyl Acetate	5.957	43	353915m	172.545	ug/l	
24) 1,1-Dichloroethane	5.909	63	126647	66.768	ug/l	98
25) 2-Butanone	6.890	43	157346	535.493	ug/l	99
26) 2,2-Dichloropropane	6.878	77	112228	66.521	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	77214	66.113	ug/l	99
28) Bromochloromethane	7.244	49	42784	52.880	ug/l	100
29) Tetrahydrofuran	7.262	42	100018	529.087	ug/l	95
30) Chloroform	7.415	83	123518	67.889	ug/l	99
31) Cyclohexane	7.695	56	131833	69.562	ug/l	97
32) 1,1,1-Trichloroethane	7.610	97	119128	71.368	ug/l	100
36) 1,1-Dichloropropene	7.835	75	101794	72.285	ug/l	100
37) Ethyl Acetate	6.982	43	64949	95.855	ug/l	98
38) Carbon Tetrachloride	7.817	117	104687	71.817	ug/l	99
39) Methylcyclohexane	9.103	83	135954	71.859	ug/l	98
40) Benzene	8.079	78	279688	66.995	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	29534m	65.709	ug/l	
42) 1,2-Dichloroethane	8.158	62	81737	72.400	ug/l	99
43) Isopropyl Acetate	8.195	43	130369	88.224	ug/l #	89
44) Trichloroethene	8.859	130	73812	71.107	ug/l	99
45) 1,2-Dichloropropane	9.140	63	65755	65.331	ug/l	99
46) Dibromomethane	9.225	93	41891	77.167	ug/l	98
47) Bromodichloromethane	9.420	83	93722	66.549	ug/l	99
48) Methyl methacrylate	9.219	41	58835	85.137	ug/l	94
49) 1,4-Dioxane	9.231	88	15358	2504.266	ug/l	88
51) 4-Methyl-2-Pentanone	9.993	43	356117	491.146	ug/l	97
52) Toluene	10.170	92	174041	65.835	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	91733	66.744	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	103187	65.530	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	53268	76.628	ug/l	98
56) Ethyl methacrylate	10.438	69	86962	80.309	ug/l	97
57) 1,3-Dichloropropane	10.713	76	94408	76.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	205518	422.850	ug/l	99
59) 2-Hexanone	10.755	43	244674	503.291	ug/l	98
60) Dibromochloromethane	10.908	129	65348	72.426	ug/l	100
61) 1,2-Dibromoethane	11.011	107	53189	82.093	ug/l	98
64) Tetrachloroethene	10.646	164	81498	70.331	ug/l	97
65) Chlorobenzene	11.438	112	176838	62.522	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	61192	62.932	ug/l	99
67) Ethyl Benzene	11.517	91	336807	63.584	ug/l	99
68) m/p-Xylenes	11.627	106	249873	125.187	ug/l	99
69) o-Xylene	11.950	106	117748	62.351	ug/l	98
70) Styrene	11.969	104	191621	60.153	ug/l	98
71) Bromoform	12.127	173	38972	74.256	ug/l #	100
73) Isopropylbenzene	12.249	105	318728	62.670	ug/l	100
74) N-amyl acetate	12.066	43	59007	40.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	63212	80.819	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	48945m	78.698	ug/l	
77) Bromobenzene	12.529	156	64647	59.515	ug/l	95
78) n-propylbenzene	12.590	91	378898	61.766	ug/l	99
79) 2-Chlorotoluene	12.676	91	199091	59.058	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	241844	58.908	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22785	74.215	ug/l	99
82) 4-Chlorotoluene	12.773	91	196172	56.576	ug/l	99
83) tert-Butylbenzene	12.993	119	225543	61.810	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	235962	57.900	ug/l	99
85) sec-Butylbenzene	13.170	105	332127	61.316	ug/l	100
86) p-Isopropyltoluene	13.292	119	269189	59.090	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	123656	55.765	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	120968	56.714	ug/l	98
89) n-Butylbenzene	13.615	91	246118	57.106	ug/l	100
90) Hexachloroethane	13.877	117	54768	59.556	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	109985	59.049	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11760	93.242	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	54010	50.200	ug/l	99
94) Hexachlorobutadiene	15.023	225	28960	48.267	ug/l	99
95) Naphthalene	15.139	128	151432	74.170	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	48104	52.704	ug/l	98

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

