

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022300.D
 Acq On : 16 May 2025 18:44
 Operator : SY/MD
 Sample : Q2032-06MSD
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24MSD

Quant Time: May 17 01:39:07 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	94711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	163805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	143977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	68883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77462	74.835	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 149.680%			
35) Dibromofluoromethane	7.628	113	67265	68.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.600%			
50) Toluene-d8	10.103	98	264442	66.042	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 132.080%			
62) 4-Bromofluorobenzene	12.402	95	79687	62.786	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 125.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	65419	66.195	ug/l	96
3) Chloromethane	2.068	50	131499	63.255	ug/l	96
4) Vinyl Chloride	2.202	62	189570	81.619	ug/l	98
5) Bromomethane	2.592	94	139126	73.583	ug/l	98
6) Chloroethane	2.733	64	125160	86.619	ug/l	99
7) Trichlorofluoromethane	3.050	101	177278	75.387	ug/l	99
8) Diethyl Ether	3.452	74	41085	72.802	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	71519	70.056	ug/l	98
10) Methyl Iodide	4.001	142	80587	68.203	ug/l	99
11) Tert butyl alcohol	4.854	59	34212	432.821	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	70099	69.193	ug/l	95
13) Acrolein	3.653	56	32192	278.585	ug/l	99
14) Allyl chloride	4.379	41	109886	61.860	ug/l	96
15) Acrylonitrile	5.055	53	101021	434.433	ug/l	99
16) Acetone	3.866	43	110402	568.822	ug/l	96
17) Carbon Disulfide	4.104	76	225561	68.277	ug/l	98
18) Methyl Acetate	4.385	43	86486	141.329	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	207018	74.110	ug/l	100
20) Methylene Chloride	4.610	84	81192	64.740	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	76886	68.757	ug/l	89
22) Diisopropyl ether	6.019	45	243981	65.039	ug/l	95
23) Vinyl Acetate	5.958	43	514015	226.809	ug/l	98
24) 1,1-Dichloroethane	5.915	63	138777	66.218	ug/l	99
25) 2-Butanone	6.890	43	136443	420.273	ug/l	100
26) 2,2-Dichloropropane	6.884	77	113737	61.016	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	89095	69.044	ug/l	95
28) Bromochloromethane	7.244	49	64368	72.005	ug/l	100
29) Tetrahydrofuran	7.256	42	89722	429.566	ug/l	98
30) Chloroform	7.415	83	137210	68.256	ug/l	98
31) Cyclohexane	7.701	56	131474	62.787	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	125286	67.932	ug/l	99
36) 1,1-Dichloropropene	7.835	75	103972	64.565	ug/l	99
37) Ethyl Acetate	6.982	43	60307	77.833	ug/l	97
38) Carbon Tetrachloride	7.811	117	105629	63.368	ug/l	98
39) Methylcyclohexane	9.109	83	137340	63.480	ug/l	95
40) Benzene	8.079	78	310424	65.025	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	32836	63.887	ug/l #	81
42) 1,2-Dichloroethane	8.152	62	90434	70.050	ug/l	99
43) Isopropyl Acetate	8.195	43	125891	74.501	ug/l #	90
44) Trichloroethene	8.859	130	76438	64.395	ug/l	96
45) 1,2-Dichloropropane	9.140	63	74548	64.771	ug/l	97
46) Dibromomethane	9.225	93	44748	72.084	ug/l	98
47) Bromodichloromethane	9.420	83	107443	66.716	ug/l	98
48) Methyl methacrylate	9.219	41	57245	72.440	ug/l	93
49) 1,4-Dioxane	9.231	88	12485	1780.285	ug/l #	86
51) 4-Methyl-2-Pentanone	9.993	43	324626	391.523	ug/l	97
52) Toluene	10.170	92	190520	63.023	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	102427	65.171	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	114898	63.809	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	57667	72.544	ug/l	98
56) Ethyl methacrylate	10.438	69	89804	72.525	ug/l	97
57) 1,3-Dichloropropane	10.713	76	101624	71.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	216897	390.252	ug/l	100
59) 2-Hexanone	10.755	43	218591	393.205	ug/l	97
60) Dibromochloromethane	10.908	129	71502	69.300	ug/l	98
61) 1,2-Dibromoethane	11.012	107	55621	75.072	ug/l	99
64) Tetrachloroethene	10.646	164	82064	61.665	ug/l	97
65) Chlorobenzene	11.438	112	197364	60.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	69564	62.294	ug/l	100
67) Ethyl Benzene	11.518	91	367881	60.473	ug/l	99
68) m/p-Xylenes	11.627	106	276921	120.805	ug/l	97
69) o-Xylene	11.950	106	131547	60.654	ug/l	98
70) Styrene	11.969	104	217532	59.460	ug/l	99
71) Bromoform	12.127	173	41618	69.048	ug/l #	98
73) Isopropylbenzene	12.249	105	342723	60.057	ug/l	99
74) N-amyl acetate	12.066	43	87117	53.377	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	64509	73.504	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	47869m	68.594	ug/l	
77) Bromobenzene	12.530	156	74434	61.070	ug/l	97
78) n-propylbenzene	12.591	91	405449	58.904	ug/l	100
79) 2-Chlorotoluene	12.676	91	219228	57.956	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	266496	57.851	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22073	64.074	ug/l	99
82) 4-Chlorotoluene	12.773	91	221512	56.933	ug/l	99
83) tert-Butylbenzene	12.993	119	245397	59.935	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	266704	58.323	ug/l	99
85) sec-Butylbenzene	13.170	105	356221	58.610	ug/l	100
86) p-Isopropyltoluene	13.292	119	293972	57.509	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	140467	56.455	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	137572	57.482	ug/l	98
89) n-Butylbenzene	13.615	91	264403	54.675	ug/l	99
90) Hexachloroethane	13.877	117	60301	58.439	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	123124	58.912	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10770	76.102	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	66428	55.025	ug/l	95
94) Hexachlorobutadiene	15.017	225	32007	47.542	ug/l	98
95) Naphthalene	15.139	128	157685	68.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	58335	56.961	ug/l	98

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

