

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022263.D
 Acq On : 15 May 2025 14:29
 Operator : SY/MD
 Sample : VY0515SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0515SBS01

Quant Time: May 16 01:55:07 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 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	238919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	402031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	341987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135626	51.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.634	113	123255	51.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.103	98	503583	51.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	156883	50.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	53122	21.308	ug/l	100
3) Chloromethane	2.062	50	120806	23.036	ug/l	99
4) Vinyl Chloride	2.202	62	133825	22.841	ug/l	95
5) Bromomethane	2.586	94	115963	24.313	ug/l	97
6) Chloroethane	2.726	64	81580	22.381	ug/l	99
7) Trichlorofluoromethane	3.050	101	131275	22.130	ug/l	97
8) Diethyl Ether	3.452	74	30102	21.145	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	53293	20.694	ug/l	99
10) Methyl Iodide	4.001	142	56585	18.984	ug/l	98
11) Tert butyl alcohol	4.872	59	22281	111.741	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	51053	19.977	ug/l	99
13) Acrolein	3.653	56	29646	101.701	ug/l	95
14) Allyl chloride	4.379	41	90707	20.242	ug/l	98
15) Acrylonitrile	5.061	53	63262	107.846	ug/l	100
16) Acetone	3.873	43	49080	100.243	ug/l	97
17) Carbon Disulfide	4.104	76	170931	20.511	ug/l	100
18) Methyl Acetate	4.385	43	32845	21.277	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	147866	20.984	ug/l	100
20) Methylene Chloride	4.616	84	67252	21.257	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	58391	20.700	ug/l	97
22) Diisopropyl ether	6.019	45	191390	20.225	ug/l	99
23) Vinyl Acetate	5.958	43	582104	101.820	ug/l	99
24) 1,1-Dichloroethane	5.915	63	107336	20.303	ug/l	99
25) 2-Butanone	6.896	43	84807	103.553	ug/l	94
26) 2,2-Dichloropropane	6.884	77	94109	20.013	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	65488	20.118	ug/l	99
28) Bromochloromethane	7.244	49	45781	20.301	ug/l	100
29) Tetrahydrofuran	7.262	42	57613	109.345	ug/l	98
30) Chloroform	7.421	83	103980	20.505	ug/l	97
31) Cyclohexane	7.695	56	104972	19.873	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	93522	20.102	ug/l	99
36) 1,1-Dichloropropene	7.835	75	78647	19.899	ug/l	99
37) Ethyl Acetate	6.982	43	41008	21.564	ug/l	98
38) Carbon Tetrachloride	7.817	117	80942	19.785	ug/l	98
39) Methylcyclohexane	9.109	83	105996	19.962	ug/l	98
40) Benzene	8.079	78	234747	20.035	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	23758m	18.834	ug/l	
42) 1,2-Dichloroethane	8.158	62	64565	20.377	ug/l	99
43) Isopropyl Acetate	8.195	43	86552	20.869	ug/l	98
44) Trichloroethene	8.866	130	57705	19.807	ug/l	97
45) 1,2-Dichloropropane	9.140	63	56246	19.911	ug/l	99
46) Dibromomethane	9.231	93	31011	20.354	ug/l	99
47) Bromodichloromethane	9.420	83	80217	20.295	ug/l	97
48) Methyl methacrylate	9.219	41	39908	20.576	ug/l	99
49) 1,4-Dioxane	9.237	88	7653	444.632	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	213720	105.023	ug/l	98
52) Toluene	10.170	92	144686	19.501	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	76950	19.949	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	88052	19.924	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	40220	20.615	ug/l	94
56) Ethyl methacrylate	10.438	69	62553	20.583	ug/l	99
57) 1,3-Dichloropropane	10.719	76	71496	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	129032	94.593	ug/l	99
59) 2-Hexanone	10.762	43	142594	104.509	ug/l	99
60) Dibromochloromethane	10.908	129	51719	20.424	ug/l	98
61) 1,2-Dibromoethane	11.012	107	37293	20.509	ug/l	96
64) Tetrachloroethene	10.646	164	62797	19.866	ug/l	96
65) Chlorobenzene	11.438	112	153929	19.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	50248	18.944	ug/l	97
67) Ethyl Benzene	11.518	91	283493	19.619	ug/l	98
68) m/p-Xylenes	11.627	106	212811	39.085	ug/l	98
69) o-Xylene	11.950	106	101365	19.677	ug/l	97
70) Styrene	11.969	104	168741	19.418	ug/l	99
71) Bromoform	12.127	173	29512	20.613	ug/l #	98
73) Isopropylbenzene	12.255	105	261986	19.627	ug/l	100
74) N-amyl acetate	12.066	43	79208	20.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	43741	21.307	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	33956m	20.802	ug/l	
77) Bromobenzene	12.530	156	55800	19.572	ug/l	98
78) n-propylbenzene	12.591	91	317668	19.730	ug/l	99
79) 2-Chlorotoluene	12.676	91	172805	19.530	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	208067	19.309	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16041	19.907	ug/l	99
82) 4-Chlorotoluene	12.773	91	178952	19.663	ug/l	100
83) tert-Butylbenzene	12.993	119	190568	19.898	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	210149	19.646	ug/l	99
85) sec-Butylbenzene	13.176	105	281045	19.768	ug/l	99
86) p-Isopropyltoluene	13.292	119	233015	19.488	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	112481	19.326	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	111832	19.976	ug/l	99
89) n-Butylbenzene	13.615	91	225170	19.906	ug/l	99
90) Hexachloroethane	13.877	117	47537	19.695	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	97586	19.962	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7093	21.427	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	58146	20.591	ug/l	98
94) Hexachlorobutadiene	15.023	225	33000	20.955	ug/l	98
95) Naphthalene	15.145	128	111947	20.890	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	50425	21.049	ug/l	99

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

