

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022166.D
 Acq On : 05 May 2025 17:51
 Operator : SY/MD
 Sample : Q1956-04MSD
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-4-5MSD

Quant Time: May 06 05:23:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	183464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	282446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	251760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	123121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87005	51.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.634	113	105973	56.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.580%			
50) Toluene-d8	10.103	98	413665	58.803	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.600%			
62) 4-Bromofluorobenzene	12.408	95	124343	52.506	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	81774	52.309	ug/l	100
3) Chloromethane	2.068	50	118676	53.314	ug/l	98
4) Vinyl Chloride	2.202	62	161541	59.056	ug/l	97
5) Bromomethane	2.598	94	117988	50.066	ug/l	96
6) Chloroethane	2.733	64	110689	59.417	ug/l	99
7) Trichlorofluoromethane	3.056	101	194574	53.943	ug/l	97
8) Diethyl Ether	3.452	74	44592	47.498	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	105713	54.026	ug/l	99
10) Methyl Iodide	4.007	142	119042	52.546	ug/l	98
11) Tert butyl alcohol	4.854	59	18407	197.854	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	98515	54.015	ug/l	95
13) Acrolein	3.653	56	7179	42.994	ug/l	98
14) Allyl chloride	4.385	41	109738	51.674	ug/l	98
15) Acrylonitrile	5.061	53	72479	210.881	ug/l	97
16) Acetone	3.866	43	51345	229.748	ug/l	98
17) Carbon Disulfide	4.104	76	280241	48.191	ug/l	99
18) Methyl Acetate	4.385	43	61528	77.726	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	197911	48.483	ug/l	97
20) Methylene Chloride	4.616	84	106339	49.626	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	110817	54.254	ug/l	94
22) Diisopropyl ether	6.019	45	272553	57.672	ug/l	96
23) Vinyl Acetate	5.964	43	267112	104.874	ug/l	100
24) 1,1-Dichloroethane	5.915	63	190132	58.041	ug/l	99
25) 2-Butanone	6.890	43	79899	206.841	ug/l	97
26) 2,2-Dichloropropane	6.884	77	148215	51.622	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	125082	54.767	ug/l	97
28) Bromochloromethane	7.244	49	64816	50.940	ug/l	98
29) Tetrahydrofuran	7.262	42	52721	210.142	ug/l	99
30) Chloroform	7.421	83	208535	57.390	ug/l	98
31) Cyclohexane	7.701	56	150783	53.826	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	188359	57.297	ug/l	99
36) 1,1-Dichloropropene	7.835	75	143475	57.241	ug/l	99
37) Ethyl Acetate	6.982	43	35584	39.528	ug/l	98
38) Carbon Tetrachloride	7.817	117	170289	56.855	ug/l	97
39) Methylcyclohexane	9.109	83	175064	55.500	ug/l	97
40) Benzene	8.079	78	456229	58.227	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	21897m	44.496	ug/l	
42) 1,2-Dichloroethane	8.158	62	100489	51.801	ug/l	98
43) Isopropyl Acetate	8.195	43	74871	43.308	ug/l	96
44) Trichloroethene	8.866	130	119569	55.094	ug/l	95
45) 1,2-Dichloropropane	9.140	63	100532	58.019	ug/l	97
46) Dibromomethane	9.231	93	53037	48.897	ug/l	97
47) Bromodichloromethane	9.420	83	149820	55.290	ug/l	100
48) Methyl methacrylate	9.219	41	38804	48.554	ug/l	98
49) 1,4-Dioxane	9.231	88	8383	725.118	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	202252	223.173	ug/l	97
52) Toluene	10.170	92	300939	59.335	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	111052	47.780	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	141008	51.037	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	71864	49.600	ug/l	98
56) Ethyl methacrylate	10.438	69	69351	41.856	ug/l	96
57) 1,3-Dichloropropane	10.719	76	116040	49.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	180773	223.149	ug/l	99
59) 2-Hexanone	10.762	43	127478	213.262	ug/l	98
60) Dibromochloromethane	10.908	129	99678	49.691	ug/l	100
61) 1,2-Dibromoethane	11.012	107	63429	46.372	ug/l	98
64) Tetrachloroethene	10.646	164	134923	56.809	ug/l	98
65) Chlorobenzene	11.444	112	310166	55.092	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	113644	57.336	ug/l	99
67) Ethyl Benzene	11.518	91	551660	59.899	ug/l	99
68) m/p-Xylenes	11.627	106	437997	119.515	ug/l	99
69) o-Xylene	11.957	106	200228	59.278	ug/l	99
70) Styrene	11.969	104	248695	43.851	ug/l	96
71) Bromoform	12.133	173	51847	44.992	ug/l #	100
73) Isopropylbenzene	12.255	105	521638	63.415	ug/l	100
74) N-amyl acetate	12.072	43	50669	35.852	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	68497	49.391	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	52521m	49.802	ug/l	
77) Bromobenzene	12.530	156	114981	55.318	ug/l	98
78) n-propylbenzene	12.597	91	622550	63.552	ug/l	99
79) 2-Chlorotoluene	12.682	91	353120	61.984	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	422747	62.374	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	17529	40.027	ug/l	99
82) 4-Chlorotoluene	12.773	91	353572	59.703	ug/l	100
83) tert-Butylbenzene	12.999	119	381232	62.718	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	412129	60.794	ug/l	100
85) sec-Butylbenzene	13.176	105	541984	60.934	ug/l	100
86) p-Isopropyltoluene	13.292	119	445785	59.021	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	223349	52.906	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	212649	50.860	ug/l	100
89) n-Butylbenzene	13.615	91	364597	54.006	ug/l	100
90) Hexachloroethane	13.877	117	92672	55.845	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	188153	51.100	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9261	41.973	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	69006	33.072	ug/l	99
94) Hexachlorobutadiene	15.023	225	42326	32.970	ug/l	97
95) Naphthalene	15.145	128	107843	31.114	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	53430	29.665	ug/l	99

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

