

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022331.D
 Acq On : 20 May 2025 10:21
 Operator : SY/MD
 Sample : VY0520SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Quant Time: May 21 01:43:50 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	162404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	280923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	236555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	111469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93712	52.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.634	113	87259	52.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.080%			
50) Toluene-d8	10.103	98	353867	51.531	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.408	95	103841	47.707	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35898	21.184	ug/l	98
3) Chloromethane	2.068	50	106010	29.739	ug/l	96
4) Vinyl Chloride	2.202	62	121528	30.514	ug/l	99
5) Bromomethane	2.592	94	123030	37.947	ug/l	93
6) Chloroethane	2.733	64	86905	35.075	ug/l	97
7) Trichlorofluoromethane	3.044	101	115381	28.614	ug/l	96
8) Diethyl Ether	3.452	74	21262	21.972	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39180	22.382	ug/l	98
10) Methyl Iodide	4.001	142	39806	19.647	ug/l	97
11) Tert butyl alcohol	4.885	59	15076	111.229	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	38409	22.110	ug/l	99
13) Acrolein	3.653	56	14505	73.203	ug/l	92
14) Allyl chloride	4.379	41	58664	19.259	ug/l	91
15) Acrylonitrile	5.055	53	44040	110.449	ug/l	99
16) Acetone	3.873	43	33441	100.481	ug/l	96
17) Carbon Disulfide	4.104	76	121089	21.376	ug/l	100
18) Methyl Acetate	4.391	43	22221	21.176	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	105578	22.042	ug/l	100
20) Methylene Chloride	4.616	84	43159	20.069	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	41335	21.557	ug/l	94
22) Diisopropyl ether	6.013	45	129506	20.133	ug/l	94
23) Vinyl Acetate	5.958	43	393589	101.282	ug/l	97
24) 1,1-Dichloroethane	5.909	63	76757	21.359	ug/l	99
25) 2-Butanone	6.897	43	57164	102.685	ug/l	99
26) 2,2-Dichloropropane	6.884	77	65941	20.630	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	47974	21.681	ug/l	98
28) Bromochloromethane	7.244	49	32721	21.346	ug/l	98
29) Tetrahydrofuran	7.262	42	38507	107.516	ug/l	95
30) Chloroform	7.421	83	76921	22.315	ug/l	97
31) Cyclohexane	7.701	56	74031	20.618	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67990	21.499	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54092	19.586	ug/l	96
37) Ethyl Acetate	6.982	43	27235	20.496	ug/l	97
38) Carbon Tetrachloride	7.817	117	59086	20.669	ug/l	100
39) Methylcyclohexane	9.110	83	75810	20.432	ug/l	95
40) Benzene	8.079	78	170661	20.845	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15384	17.453	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	47209	21.323	ug/l	99
43) Isopropyl Acetate	8.195	43	58799	20.290	ug/l	97
44) Trichloroethene	8.866	130	41880	20.573	ug/l	96
45) 1,2-Dichloropropane	9.140	63	40216	20.374	ug/l	96
46) Dibromomethane	9.231	93	22879	21.490	ug/l	98
47) Bromodichloromethane	9.420	83	57637	20.869	ug/l	99
48) Methyl methacrylate	9.219	41	26138	19.286	ug/l	92
49) 1,4-Dioxane	9.238	88	5078	422.215	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	142570	100.263	ug/l	97
52) Toluene	10.170	92	103885	20.038	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	54150	20.090	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	62298	20.174	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	28800	21.126	ug/l	97
56) Ethyl methacrylate	10.439	69	43432	20.452	ug/l	96
57) 1,3-Dichloropropane	10.719	76	51011	21.060	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	83740	87.855	ug/l	99
59) 2-Hexanone	10.762	43	93178	97.733	ug/l	96
60) Dibromochloromethane	10.908	129	36043	20.369	ug/l	98
61) 1,2-Dibromoethane	11.012	107	27035	21.277	ug/l	99
64) Tetrachloroethene	10.646	164	47128	21.554	ug/l	98
65) Chlorobenzene	11.438	112	109284	20.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	36824	20.070	ug/l	99
67) Ethyl Benzene	11.518	91	198160	19.826	ug/l	98
68) m/p-Xylenes	11.627	106	149258	39.630	ug/l	98
69) o-Xylene	11.957	106	71971	20.198	ug/l	97
70) Styrene	11.969	104	118483	19.712	ug/l	99
71) Bromoform	12.133	173	20531	20.732	ug/l #	98
73) Isopropylbenzene	12.255	105	185361	20.072	ug/l	99
74) N-amyl acetate	12.072	43	50457	19.104	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	29407	20.706	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	24209m	21.437	ug/l	
77) Bromobenzene	12.530	156	39771	20.164	ug/l	99
78) n-propylbenzene	12.597	91	226302	20.317	ug/l	100
79) 2-Chlorotoluene	12.682	91	120639	19.708	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	145541	19.524	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	10455	18.754	ug/l	98
82) 4-Chlorotoluene	12.780	91	123547	19.623	ug/l	98
83) tert-Butylbenzene	12.999	119	131465	19.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	142982	19.322	ug/l	97
85) sec-Butylbenzene	13.176	105	196521	19.981	ug/l	100
86) p-Isopropyltoluene	13.292	119	160020	19.345	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	77805	19.324	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	77620	20.041	ug/l	97
89) n-Butylbenzene	13.615	91	154259	19.712	ug/l	99
90) Hexachloroethane	13.877	117	32205	19.287	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	67307	19.901	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5031	21.968	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	37416	19.152	ug/l	98
94) Hexachlorobutadiene	15.023	225	20316	18.648	ug/l	99
95) Naphthalene	15.145	128	72453	19.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	31537	19.029	ug/l	99

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

