

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022305.D
 Acq On : 19 May 2025 09:36
 Operator : SY/MD
 Sample : VY0519SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Quant Time: May 20 01:08:39 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	200360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	283142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112366	51.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.620%			
35) Dibromofluoromethane	7.634	113	103010	51.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.100%			
50) Toluene-d8	10.109	98	422064	51.074	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.408	95	126905	48.449	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	44358	21.217	ug/l	96
3) Chloromethane	2.068	50	116897	26.580	ug/l	97
4) Vinyl Chloride	2.202	62	131565	26.776	ug/l	96
5) Bromomethane	2.592	94	128052	32.014	ug/l	95
6) Chloroethane	2.733	64	88707	29.020	ug/l	99
7) Trichlorofluoromethane	3.050	101	124809	25.089	ug/l	99
8) Diethyl Ether	3.458	74	24485	20.509	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	45930	21.267	ug/l	99
10) Methyl Iodide	4.007	142	47593	19.040	ug/l	98
11) Tert butyl alcohol	4.885	59	16264	97.263	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	44662	20.839	ug/l	95
13) Acrolein	3.659	56	19980	81.733	ug/l	99
14) Allyl chloride	4.379	41	72879	19.394	ug/l	97
15) Acrylonitrile	5.061	53	49498	100.621	ug/l	99
16) Acetone	3.879	43	36473	88.830	ug/l	96
17) Carbon Disulfide	4.104	76	145351	20.798	ug/l	100
18) Methyl Acetate	4.397	43	25765	19.902	ug/l	94
19) Methyl tert-butyl Ether	5.122	73	121169	20.504	ug/l	98
20) Methylene Chloride	4.616	84	49524	18.666	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	48269	20.405	ug/l	96
22) Diisopropyl ether	6.025	45	155980	19.655	ug/l	98
23) Vinyl Acetate	5.964	43	462181	96.402	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89842	20.264	ug/l	98
25) 2-Butanone	6.903	43	62462	90.946	ug/l	97
26) 2,2-Dichloropropane	6.884	77	80218	20.342	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56075	20.541	ug/l	98
28) Bromochloromethane	7.250	49	37383	19.768	ug/l	98
29) Tetrahydrofuran	7.268	42	43669	98.831	ug/l	94
30) Chloroform	7.427	83	89033	20.936	ug/l	98
31) Cyclohexane	7.707	56	90210	20.365	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	82841	21.233	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67180	20.214	ug/l	98
37) Ethyl Acetate	6.988	43	31330	19.593	ug/l	99
38) Carbon Tetrachloride	7.817	117	71104	20.669	ug/l	96
39) Methylcyclohexane	9.109	83	92475	20.711	ug/l	97
40) Benzene	8.085	78	198734	20.171	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	16423	15.483	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	54124	20.314	ug/l	100
43) Isopropyl Acetate	8.201	43	67210	19.272	ug/l	99
44) Trichloroethene	8.866	130	49995	20.408	ug/l	95
45) 1,2-Dichloropropane	9.146	63	47105	19.831	ug/l	100
46) Dibromomethane	9.231	93	26057	20.339	ug/l	98
47) Bromodichloromethane	9.427	83	67475	20.302	ug/l	98
48) Methyl methacrylate	9.225	41	31170	19.112	ug/l	96
49) 1,4-Dioxane	9.238	88	5453	376.764	ug/l	86
51) 4-Methyl-2-Pentanone	10.000	43	163969	95.823	ug/l	99
52) Toluene	10.170	92	124296	19.923	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	62956	19.409	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	74524	20.054	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	33564	20.459	ug/l	98
56) Ethyl methacrylate	10.439	69	49183	19.246	ug/l	97
57) 1,3-Dichloropropane	10.719	76	58922	20.214	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	100509	87.625	ug/l	98
59) 2-Hexanone	10.762	43	106193	92.558	ug/l	97
60) Dibromochloromethane	10.914	129	43173	20.275	ug/l	99
61) 1,2-Dibromoethane	11.018	107	31396	20.533	ug/l	99
64) Tetrachloroethene	10.652	164	53401	20.405	ug/l	98
65) Chlorobenzene	11.444	112	129758	20.313	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	43074	19.614	ug/l	98
67) Ethyl Benzene	11.524	91	237230	19.830	ug/l	99
68) m/p-Xylenes	11.633	106	180140	39.960	ug/l	96
69) o-Xylene	11.957	106	83514	19.581	ug/l	99
70) Styrene	11.969	104	140922	19.587	ug/l	98
71) Bromoform	12.133	173	23328	19.680	ug/l #	98
73) Isopropylbenzene	12.255	105	220761	19.935	ug/l	100
74) N-amyl acetate	12.072	43	58768	18.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34721	20.387	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	23415m	17.290	ug/l	
77) Bromobenzene	12.536	156	46286	19.569	ug/l	99
78) n-propylbenzene	12.597	91	268280	20.084	ug/l	100
79) 2-Chlorotoluene	12.682	91	143678	19.573	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	174835	19.557	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13091	19.582	ug/l	97
82) 4-Chlorotoluene	12.780	91	144394	19.124	ug/l	99
83) tert-Butylbenzene	12.999	119	157481	19.820	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	174561	19.671	ug/l	100
85) sec-Butylbenzene	13.176	105	235349	19.954	ug/l	99
86) p-Isopropyltoluene	13.292	119	191316	19.286	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	92027	19.059	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	91240	19.645	ug/l	99
89) n-Butylbenzene	13.621	91	186063	19.826	ug/l	99
90) Hexachloroethane	13.883	117	39735	19.843	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	79761	19.666	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5501	20.030	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	44423	18.962	ug/l	99
94) Hexachlorobutadiene	15.023	225	25456	19.484	ug/l	98
95) Naphthalene	15.145	128	85379	19.205	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38129	19.185	ug/l	99

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

