

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022617.D
 Acq On : 09 Jun 2025 09:51
 Operator : SY/MD
 Sample : VY0609SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0609SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/10/2025
 Supervised By :Semsettin Yesilyurt 06/10/2025

Quant Time: Jun 10 01:25:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	181021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	303015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	260182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	101087	49.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.860%			
35) Dibromofluoromethane	7.640	113	93246	51.556	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.120%			
50) Toluene-d8	10.109	98	373595	51.121	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.408	95	108918	50.021	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	36630	22.602	ug/l	98
3) Chloromethane	2.074	50	90028	18.803	ug/l	98
4) Vinyl Chloride	2.208	62	122611	22.075	ug/l	97
5) Bromomethane	2.592	94	114446	21.498	ug/l	99
6) Chloroethane	2.739	64	87927	23.064	ug/l	99
7) Trichlorofluoromethane	3.056	101	107013	22.695	ug/l	100
8) Diethyl Ether	3.464	74	22250	20.953	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	43524	21.916	ug/l	99
10) Methyl Iodide	4.007	142	41363	19.246	ug/l	98
11) Tert butyl alcohol	4.872	59	15563	107.624	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	40830	21.509	ug/l	99
13) Acrolein	3.659	56	15681	87.013	ug/l	98
14) Allyl chloride	4.391	41	62884	21.101	ug/l	99
15) Acrylonitrile	5.061	53	48641	108.157	ug/l	98
16) Acetone	3.873	43	45513	110.691	ug/l	96
17) Carbon Disulfide	4.110	76	127799	21.028	ug/l	97
18) Methyl Acetate	4.397	43	26951	22.135	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	110856	20.733	ug/l	99
20) Methylene Chloride	4.622	84	50869	21.780	ug/l	92
21) trans-1,2-Dichloroethene	5.122	96	46208	21.749	ug/l	89
22) Diisopropyl ether	6.025	45	139842	21.082	ug/l	95
23) Vinyl Acetate	5.964	43	413359	105.284	ug/l	99
24) 1,1-Dichloroethane	5.921	63	84945	21.737	ug/l	99
25) 2-Butanone	6.896	43	66573	112.248	ug/l	94
26) 2,2-Dichloropropane	6.890	77	74148	21.475	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	53236	21.679	ug/l	97
28) Bromochloromethane	7.250	49	37520	22.026	ug/l	98
29) Tetrahydrofuran	7.268	42	41439	108.330	ug/l	98
30) Chloroform	7.421	83	85970	22.211	ug/l	96
31) Cyclohexane	7.701	56	79536	20.444	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	74231	21.604	ug/l	98
36) 1,1-Dichloropropene	7.841	75	63204	21.532	ug/l	99
37) Ethyl Acetate	6.988	43	28128	21.487	ug/l	99
38) Carbon Tetrachloride	7.823	117	65109	21.621	ug/l	95
39) Methylcyclohexane	9.109	83	83062	21.056	ug/l	98
40) Benzene	8.085	78	189895	21.903	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	15161	19.828	ug/l	95
42) 1,2-Dichloroethane	8.164	62	52131	22.021	ug/l	99
43) Isopropyl Acetate	8.201	43	62073	21.956	ug/l	98
44) Trichloroethene	8.866	130	45871	21.648	ug/l	99
45) 1,2-Dichloropropane	9.146	63	46440	22.665	ug/l	99
46) Dibromomethane	9.237	93	25468	22.093	ug/l	96
47) Bromodichloromethane	9.426	83	64292	21.996	ug/l	99
48) Methyl methacrylate	9.225	41	27745	20.910	ug/l	96
49) 1,4-Dioxane	9.231	88	5667	414.962	ug/l #	95
51) 4-Methyl-2-Pentanone	9.999	43	148908	105.642	ug/l	99
52) Toluene	10.170	92	116760	21.430	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	58329	21.298	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	69196	21.705	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	32289	21.967	ug/l	96
56) Ethyl methacrylate	10.445	69	43589	20.517	ug/l	97
57) 1,3-Dichloropropane	10.719	76	56813	21.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	103528	107.331	ug/l	99
59) 2-Hexanone	10.762	43	99426	105.470	ug/l	100
60) Dibromochloromethane	10.914	129	39905	21.363	ug/l	99
61) 1,2-Dibromoethane	11.018	107	29035	21.672	ug/l	97
64) Tetrachloroethene	10.652	164	49502	22.118	ug/l	98
65) Chlorobenzene	11.444	112	121548	21.111	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	39918	20.581	ug/l	98
67) Ethyl Benzene	11.518	91	221473	20.739	ug/l	99
68) m/p-Xylenes	11.627	106	166291	41.077	ug/l	99
69) o-Xylene	11.956	106	78404	20.657	ug/l	98
70) Styrene	11.969	104	127270	20.285	ug/l	99
71) Bromoform	12.133	173	21496	20.827	ug/l #	99
73) Isopropylbenzene	12.255	105	204406	20.776	ug/l	100
74) N-amyl acetate	12.072	43	50607	20.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34521	21.379	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	27456m	20.027	ug/l	
77) Bromobenzene	12.536	156	43316	20.864	ug/l	97
78) n-propylbenzene	12.597	91	249810	20.789	ug/l	100
79) 2-Chlorotoluene	12.682	91	134053	21.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	160390	20.765	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	11114	19.577	ug/l	96
82) 4-Chlorotoluene	12.779	91	138707	21.112	ug/l	99
83) tert-Butylbenzene	12.999	119	145162	20.939	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	158986	20.580	ug/l	100
85) sec-Butylbenzene	13.176	105	219518	20.675	ug/l	99
86) p-Isopropyltoluene	13.292	119	179129	20.468	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	87042	20.692	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	86113	21.107	ug/l	99
89) n-Butylbenzene	13.621	91	173645	20.913	ug/l	100
90) Hexachloroethane	13.883	117	35661	20.930	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	75756	21.212	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4974	21.157	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	41854	21.487	ug/l	97
94) Hexachlorobutadiene	15.023	225	23730	22.073	ug/l	97
95) Naphthalene	15.145	128	78059	20.883	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	35921	21.518	ug/l	99

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

