

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023017.D
 Acq On : 21 Jul 2025 11:13
 Operator : SY/MD
 Sample : VY0721SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0721SBS01

Quant Time: Jul 22 04:47:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
 Supervised By :Semsettin Yesilyurt 07/22/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	417337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	691452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	219889	52.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%			
35) Dibromofluoromethane	7.634	113	210938	48.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.180%			
50) Toluene-d8	10.103	98	827118	47.553	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.100%			
62) 4-Bromofluorobenzene	12.401	95	258332	47.182	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	70825	19.987	ug/l	96
3) Chloromethane	2.068	50	133065	22.084	ug/l	99
4) Vinyl Chloride	2.202	62	162134	21.239	ug/l	99
5) Bromomethane	2.592	94	134057	24.332	ug/l	99
6) Chloroethane	2.732	64	112975	22.159	ug/l	99
7) Trichlorofluoromethane	3.056	101	187057	21.109	ug/l	95
8) Diethyl Ether	3.452	74	50505	21.776	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	94675	20.338	ug/l	99
10) Methyl Iodide	4.007	142	86654	17.919	ug/l	99
11) Tert butyl alcohol	4.860	59	29742	116.404	ug/l	100
12) 1,1-Dichloroethene	3.787	96	89671	20.221	ug/l	97
13) Acrolein	3.653	56	18665	155.460	ug/l	95
14) Allyl chloride	4.378	41	139366	20.628	ug/l	99
15) Acrylonitrile	5.055	53	103105	117.367	ug/l	100
16) Acetone	3.872	43	113819	148.622	ug/l	100
17) Carbon Disulfide	4.104	76	280632	20.880	ug/l	99
18) Methyl Acetate	4.385	43	57135	22.037	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	233203	21.924	ug/l	98
20) Methylene Chloride	4.616	84	135775	20.247	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	101510	20.564	ug/l	97
22) Diisopropyl ether	6.018	45	309021	21.560	ug/l	98
23) Vinyl Acetate	5.957	43	826708	114.473	ug/l	100
24) 1,1-Dichloroethane	5.915	63	186822	20.752	ug/l	99
25) 2-Butanone	6.890	43	143739	130.833	ug/l	99
26) 2,2-Dichloropropane	6.884	77	161660	20.489	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	116165	20.419	ug/l	99
28) Bromochloromethane	7.244	49	75745	21.693	ug/l	96
29) Tetrahydrofuran	7.262	42	81464	117.116	ug/l	100
30) Chloroform	7.421	83	189111	20.824	ug/l	95
31) Cyclohexane	7.701	56	167294	19.888	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	166781	20.240	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136134	19.704	ug/l	99
37) Ethyl Acetate	6.988	43	58625	22.847	ug/l	99
38) Carbon Tetrachloride	7.817	117	148433	19.775	ug/l	98
39) Methylcyclohexane	9.109	83	167760	18.760	ug/l	98
40) Benzene	8.079	78	418020	20.095	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	30580m	21.877	ug/l	
42) 1,2-Dichloroethane	8.158	62	111901	21.622	ug/l	99
43) Isopropyl Acetate	8.195	43	114470	22.459	ug/l #	86
44) Trichloroethene	8.865	130	103444	19.361	ug/l	97
45) 1,2-Dichloropropane	9.140	63	98991	20.378	ug/l	97
46) Dibromomethane	9.231	93	54493	21.702	ug/l	99
47) Bromodichloromethane	9.420	83	142773	20.570	ug/l	98
48) Methyl methacrylate	9.219	41	54690	22.225	ug/l	99
49) 1,4-Dioxane	9.225	88	12190	460.562	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	296911	114.770	ug/l	99
52) Toluene	10.170	92	258346	19.975	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	123664	20.756	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	150566	20.967	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	70181	21.265	ug/l	96
56) Ethyl methacrylate	10.438	69	88261	21.424	ug/l	98
57) 1,3-Dichloropropane	10.713	76	121849	21.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	197528	97.947	ug/l	98
59) 2-Hexanone	10.761	43	204354	120.174	ug/l	99
60) Dibromochloromethane	10.908	129	90494	20.940	ug/l	98
61) 1,2-Dibromoethane	11.011	107	64686	21.584	ug/l	98
64) Tetrachloroethene	10.646	164	115530	19.278	ug/l	94
65) Chlorobenzene	11.438	112	276316	19.972	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92315	19.563	ug/l	99
67) Ethyl Benzene	11.517	91	472954	19.286	ug/l	100
68) m/p-Xylenes	11.627	106	365243	38.830	ug/l	99
69) o-Xylene	11.950	106	169844	19.457	ug/l	100
70) Styrene	11.969	104	276934	19.367	ug/l	99
71) Bromoform	12.133	173	51038	21.305	ug/l #	99
73) Isopropylbenzene	12.255	105	447600	18.606	ug/l	99
74) N-amyl acetate	12.066	43	95827	21.128	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	73937	21.238	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	64760m	18.316	ug/l	
77) Bromobenzene	12.529	156	100323	19.228	ug/l	100
78) n-propylbenzene	12.590	91	545094	19.027	ug/l	99
79) 2-Chlorotoluene	12.676	91	306395	19.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	357988	18.868	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24013	20.228	ug/l	98
82) 4-Chlorotoluene	12.773	91	310771	19.124	ug/l	99
83) tert-Butylbenzene	12.993	119	319915	18.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	351737	18.832	ug/l	99
85) sec-Butylbenzene	13.170	105	480603	18.712	ug/l	100
86) p-Isopropyltoluene	13.292	119	392976	18.839	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	200360	19.028	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	199817	19.616	ug/l	99
89) n-Butylbenzene	13.615	91	366638	19.048	ug/l	99
90) Hexachloroethane	13.877	117	80981	18.751	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	169075	19.036	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12015	23.243	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	93870	20.050	ug/l	99
94) Hexachlorobutadiene	15.023	225	55300	18.735	ug/l	99
95) Naphthalene	15.139	128	156400	20.828	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	79873	20.662	ug/l	100

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

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