

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023217.D
 Acq On : 28 Aug 2025 11:20
 Operator : SY/MD
 Sample : VY0828SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0828SBS01

Quant Time: Aug 29 02:07:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	479921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	762688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	660180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	335118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	218562	47.784	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.560%		
35) Dibromofluoromethane	7.634	113	226580	49.649	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.300%		
50) Toluene-d8	10.109	98	862905	48.401	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.800%		
62) 4-Bromofluorobenzene	12.402	95	272412	47.512	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	80920	20.657	ug/l	99
3) Chloromethane	2.074	50	124106	19.560	ug/l	96
4) Vinyl Chloride	2.208	62	153540	19.576	ug/l	97
5) Bromomethane	2.592	94	129511	22.110	ug/l	98
6) Chloroethane	2.739	64	106516	20.427	ug/l	98
7) Trichlorofluoromethane	3.056	101	187616	19.673	ug/l	99
8) Diethyl Ether	3.458	74	54900	21.758	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	98798	20.998	ug/l	97
10) Methyl Iodide	4.007	142	110516	21.768	ug/l	99
11) Tert butyl alcohol	4.866	59	31803	101.476	ug/l #	83
12) 1,1-Dichloroethene	3.793	96	95780	20.710	ug/l	93
13) Acrolein	3.659	56	24260	52.856	ug/l	94
14) Allyl chloride	4.385	41	127813	18.782	ug/l	97
15) Acrylonitrile	5.061	53	105424	102.774	ug/l	99
16) Acetone	3.873	43	123676	124.808	ug/l	99
17) Carbon Disulfide	4.110	76	298694	19.808	ug/l	100
18) Methyl Acetate	4.385	43	61088	20.716	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	243063	20.282	ug/l	96
20) Methylene Chloride	4.622	84	121753	22.130	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	109960	21.157	ug/l	93
22) Diisopropyl ether	6.019	45	294410	19.910	ug/l	93
23) Vinyl Acetate	5.964	43	795497	97.289	ug/l	100
24) 1,1-Dichloroethane	5.921	63	184265	20.382	ug/l	99
25) 2-Butanone	6.896	43	153350	113.786	ug/l	93
26) 2,2-Dichloropropane	6.890	77	160990	20.637	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125451	20.880	ug/l	97
28) Bromochloromethane	7.250	49	72863	20.314	ug/l	92
29) Tetrahydrofuran	7.268	42	82325	98.548	ug/l	97
30) Chloroform	7.427	83	196743	21.101	ug/l	97
31) Cyclohexane	7.707	56	158599	18.616	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	171906	20.779	ug/l	100
36) 1,1-Dichloropropene	7.835	75	136067	20.062	ug/l	99
37) Ethyl Acetate	6.988	43	60335	21.177	ug/l	99
38) Carbon Tetrachloride	7.823	117	152840	20.748	ug/l	99
39) Methylcyclohexane	9.110	83	170945	19.140	ug/l	99
40) Benzene	8.085	78	436012	20.858	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	35133m	21.367	ug/l	
42) 1,2-Dichloroethane	8.158	62	111502	20.509	ug/l	100
43) Isopropyl Acetate	8.201	43	112377	19.515	ug/l	98
44) Trichloroethene	8.866	130	120044	22.222	ug/l	99
45) 1,2-Dichloropropane	9.140	63	99870	20.764	ug/l	98
46) Dibromomethane	9.231	93	59323	21.489	ug/l	98
47) Bromodichloromethane	9.427	83	150480	21.184	ug/l	99
48) Methyl methacrylate	9.225	41	53557	19.436	ug/l	95
49) 1,4-Dioxane	9.231	88	13582	419.590	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	294258	99.066	ug/l	98
52) Toluene	10.170	92	276617	20.835	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	131460	20.437	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	155574	20.453	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	79066	21.404	ug/l	98
56) Ethyl methacrylate	10.439	69	92622	19.595	ug/l	98
57) 1,3-Dichloropropane	10.719	76	131619	21.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	212280	95.206	ug/l	97
59) 2-Hexanone	10.762	43	214877	106.238	ug/l	98
60) Dibromochloromethane	10.908	129	106819	21.915	ug/l	100
61) 1,2-Dibromoethane	11.018	107	74321	21.406	ug/l	100
64) Tetrachloroethene	10.646	164	146079	24.780	ug/l	98
65) Chlorobenzene	11.438	112	307302	21.580	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	107067	22.154	ug/l	99
67) Ethyl Benzene	11.518	91	503041	20.527	ug/l	99
68) m/p-Xylenes	11.627	106	400278	41.822	ug/l	98
69) o-Xylene	11.957	106	185791	20.726	ug/l	100
70) Styrene	11.969	104	311379	21.240	ug/l	98
71) Bromoform	12.133	173	63685	22.546	ug/l	99
73) Isopropylbenzene	12.255	105	479810	20.286	ug/l	100
74) N-amyl acetate	12.072	43	91354	18.213	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	77898	19.289	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61725m	19.085	ug/l	
77) Bromobenzene	12.530	156	121154	21.471	ug/l	95
78) n-propylbenzene	12.597	91	572555	20.332	ug/l	99
79) 2-Chlorotoluene	12.676	91	330400	20.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	393761	20.599	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	26531	19.857	ug/l	99
82) 4-Chlorotoluene	12.773	91	341594	20.409	ug/l	99
83) tert-Butylbenzene	12.999	119	352168	20.398	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	389109	20.448	ug/l	99
85) sec-Butylbenzene	13.176	105	518228	20.434	ug/l	100
86) p-Isopropyltoluene	13.292	119	431719	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	236011	21.210	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	233280	21.134	ug/l	98
89) n-Butylbenzene	13.615	91	382471	19.782	ug/l	100
90) Hexachloroethane	13.877	117	92367	21.434	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	209755	21.494	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13071	20.788	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	121854	21.115	ug/l	98
94) Hexachlorobutadiene	15.023	225	74088	21.847	ug/l	99
95) Naphthalene	15.145	128	199469	20.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	105174	21.149	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

