

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023272.D
 Acq On : 03 Sep 2025 11:24
 Operator : SY/MD
 Sample : VY0903SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0903SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/04/2025
 Supervised By :Semsettin Yesilyurt 09/04/2025

Quant Time: Sep 04 01:16:02 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	478307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	731712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	641829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	329171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	207197	45.452	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.900%		
35) Dibromofluoromethane	7.640	113	222436	50.804	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.600%		
50) Toluene-d8	10.109	98	836765	48.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.408	95	266617	48.470	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	80017	20.495	ug/l	99
3) Chloromethane	2.074	50	117180	18.531	ug/l	98
4) Vinyl Chloride	2.208	62	149327	19.103	ug/l	98
5) Bromomethane	2.592	94	126440	21.659	ug/l	99
6) Chloroethane	2.739	64	102866	19.794	ug/l	99
7) Trichlorofluoromethane	3.056	101	186809	19.654	ug/l	100
8) Diethyl Ether	3.458	74	51240	20.376	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	100542	21.441	ug/l	96
10) Methyl Iodide	4.007	142	107172	21.180	ug/l	99
11) Tert butyl alcohol	4.866	59	27509	88.071	ug/l	99
12) 1,1-Dichloroethene	3.787	96	94328	20.465	ug/l	91
13) Acrolein	3.659	56	19435	42.486	ug/l	98
14) Allyl chloride	4.385	41	121989	17.987	ug/l	96
15) Acrylonitrile	5.067	53	96536	94.427	ug/l	100
16) Acetone	3.873	43	120812	122.329	ug/l	99
17) Carbon Disulfide	4.104	76	285717	19.011	ug/l	100
18) Methyl Acetate	4.385	43	51656	17.577	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	224073	18.761	ug/l	99
20) Methylene Chloride	4.616	84	126341	23.160	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	106155	20.494	ug/l	97
22) Diisopropyl ether	6.025	45	278143	18.873	ug/l	95
23) Vinyl Acetate	5.964	43	747145	91.684	ug/l	99
24) 1,1-Dichloroethane	5.921	63	175497	19.477	ug/l	98
25) 2-Butanone	6.896	43	139362	103.756	ug/l	97
26) 2,2-Dichloropropane	6.884	77	157182	20.217	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	122813	20.510	ug/l	94
28) Bromochloromethane	7.250	49	70334	19.675	ug/l	92
29) Tetrahydrofuran	7.262	42	75350	90.502	ug/l	98
30) Chloroform	7.427	83	192598	20.726	ug/l	95
31) Cyclohexane	7.707	56	151567	17.851	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	169363	20.540	ug/l	100
36) 1,1-Dichloropropene	7.835	75	134383	20.653	ug/l	98
37) Ethyl Acetate	6.988	43	52901	19.354	ug/l	99
38) Carbon Tetrachloride	7.823	117	154274	21.829	ug/l	97
39) Methylcyclohexane	9.109	83	166258	19.403	ug/l	98
40) Benzene	8.085	78	419892	20.937	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	28442m	18.030	ug/l	
42) 1,2-Dichloroethane	8.158	62	105944	20.312	ug/l	98
43) Isopropyl Acetate	8.201	43	102726	18.595	ug/l	98
44) Trichloroethene	8.866	130	118824	22.927	ug/l	97
45) 1,2-Dichloropropane	9.140	63	95074	20.604	ug/l	99
46) Dibromomethane	9.231	93	58312	22.017	ug/l	96
47) Bromodichloromethane	9.426	83	146260	21.461	ug/l	96
48) Methyl methacrylate	9.225	41	47914	18.125	ug/l	93
49) 1,4-Dioxane	9.237	88	12577	404.991	ug/l	87
51) 4-Methyl-2-Pentanone	9.999	43	266760	93.610	ug/l	99
52) Toluene	10.170	92	272443	21.389	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	124612	20.192	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	150657	20.645	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	77787	21.949	ug/l	94
56) Ethyl methacrylate	10.438	69	87613	19.320	ug/l	95
57) 1,3-Dichloropropane	10.719	76	126449	21.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	193941	90.664	ug/l	96
59) 2-Hexanone	10.762	43	196991	101.518	ug/l	100
60) Dibromochloromethane	10.908	129	104475	22.341	ug/l	100
61) 1,2-Dibromoethane	11.012	107	72061	21.633	ug/l	99
64) Tetrachloroethene	10.646	164	141609	24.709	ug/l	99
65) Chlorobenzene	11.438	112	301654	21.789	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	105886	22.536	ug/l	99
67) Ethyl Benzene	11.518	91	489512	20.546	ug/l	100
68) m/p-Xylenes	11.627	106	392254	42.155	ug/l	97
69) o-Xylene	11.956	106	181977	20.881	ug/l	99
70) Styrene	11.969	104	304384	21.357	ug/l	98
71) Bromoform	12.133	173	61248	22.303	ug/l #	99
73) Isopropylbenzene	12.255	105	469463	20.207	ug/l	99
74) N-amyl acetate	12.072	43	85709	17.396	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	77026	19.417	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	60357m	18.999	ug/l	
77) Bromobenzene	12.530	156	116609	21.039	ug/l	96
78) n-propylbenzene	12.597	91	563737	20.381	ug/l	98
79) 2-Chlorotoluene	12.676	91	324167	20.455	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	389903	20.766	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24684	18.809	ug/l	99
82) 4-Chlorotoluene	12.773	91	333434	20.281	ug/l	96
83) tert-Butylbenzene	12.999	119	346103	20.409	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	383932	20.541	ug/l	98
85) sec-Butylbenzene	13.176	105	513960	20.632	ug/l	99
86) p-Isopropyltoluene	13.292	119	432196	20.902	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	233189	21.335	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	234340	21.613	ug/l	98
89) n-Butylbenzene	13.615	91	376678	19.834	ug/l	98
90) Hexachloroethane	13.877	117	90477	21.374	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	207580	21.655	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11934	19.322	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	118598	20.922	ug/l	100
94) Hexachlorobutadiene	15.023	225	74150	22.260	ug/l	99
95) Naphthalene	15.145	128	187493	19.397	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	102138	20.910	ug/l	99

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

