

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023523.D
 Acq On : 21 Oct 2025 10:04
 Operator : SY/MD
 Sample : VY1021SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBS01

Quant Time: Oct 24 01:22:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	494016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	712868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193871	46.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.860%		
35) Dibromofluoromethane	7.634	113	222986	50.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.820%		
50) Toluene-d8	10.109	98	837402	51.335	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.680%		
62) 4-Bromofluorobenzene	12.408	95	268965	49.942	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	72214	20.308	ug/l	96
3) Chloromethane	2.074	50	94488	19.506	ug/l	99
4) Vinyl Chloride	2.208	62	127704	20.240	ug/l	98
5) Bromomethane	2.592	94	113644	21.464	ug/l	96
6) Chloroethane	2.732	64	91163	21.197	ug/l	99
7) Trichlorofluoromethane	3.056	101	179067	20.441	ug/l	100
8) Diethyl Ether	3.458	74	42637	18.626	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	96083	21.136	ug/l	99
10) Methyl Iodide	4.007	142	95981	18.966	ug/l	100
11) Tert butyl alcohol	4.848	59	34552	112.428	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	89008	20.198	ug/l	95
13) Acrolein	3.653	56	21612	49.768	ug/l	98
14) Allyl chloride	4.385	41	99926	18.606	ug/l	96
15) Acrylonitrile	5.061	53	79043	90.228	ug/l	99
16) Acetone	3.866	43	119380	121.387	ug/l	99
17) Carbon Disulfide	4.110	76	254170	20.152	ug/l	99
18) Methyl Acetate	4.385	43	40953	15.874	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	190637	17.999	ug/l	96
20) Methylene Chloride	4.616	84	101259	19.041	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	101665	20.955	ug/l	97
22) Diisopropyl ether	6.018	45	232353	19.559	ug/l	93
23) Vinyl Acetate	5.964	43	586288	91.178	ug/l	97
24) 1,1-Dichloroethane	5.915	63	161044	20.465	ug/l	99
25) 2-Butanone	6.896	43	122251	101.820	ug/l	96
26) 2,2-Dichloropropane	6.884	77	149940	20.766	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	115907	20.682	ug/l	98
28) Bromochloromethane	7.250	49	57916	19.715	ug/l	93
29) Tetrahydrofuran	7.262	42	54688	80.322	ug/l	97
30) Chloroform	7.421	83	186069	21.521	ug/l	100
31) Cyclohexane	7.701	56	129108	18.787	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	165772	21.099	ug/l	100
36) 1,1-Dichloropropene	7.835	75	122511	21.126	ug/l	99
37) Ethyl Acetate	6.988	43	42544	18.518	ug/l	98
38) Carbon Tetrachloride	7.823	117	152907	21.746	ug/l	99
39) Methylcyclohexane	9.109	83	149816	19.842	ug/l	96
40) Benzene	8.079	78	396525	21.591	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	24936m	20.069	ug/l	
42) 1,2-Dichloroethane	8.158	62	94656	19.985	ug/l	97
43) Isopropyl Acetate	8.201	43	79352	17.322	ug/l	99
44) Trichloroethene	8.865	130	117801	21.916	ug/l	97
45) 1,2-Dichloropropane	9.140	63	87109	21.475	ug/l	100
46) Dibromomethane	9.231	93	52865	20.610	ug/l	98
47) Bromodichloromethane	9.426	83	137492	21.284	ug/l	100
48) Methyl methacrylate	9.219	41	34583	16.069	ug/l	89
49) 1,4-Dioxane	9.231	88	10115	340.128	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	205212	86.702	ug/l	100
52) Toluene	10.170	92	260667	21.861	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	111956	19.932	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	137908	20.802	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	72400	20.990	ug/l	95
56) Ethyl methacrylate	10.438	69	68512	17.220	ug/l	96
57) 1,3-Dichloropropane	10.719	76	110943	20.298	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	161119	90.396	ug/l	100
59) 2-Hexanone	10.761	43	162182	95.882	ug/l	100
60) Dibromochloromethane	10.914	129	100658	20.815	ug/l	99
61) 1,2-Dibromoethane	11.011	107	66140	20.106	ug/l	100
64) Tetrachloroethene	10.646	164	144595	22.026	ug/l	96
65) Chlorobenzene	11.444	112	292874	21.180	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	105517	21.413	ug/l	99
67) Ethyl Benzene	11.517	91	469417	20.972	ug/l	99
68) m/p-Xylenes	11.627	106	386672	43.069	ug/l	98
69) o-Xylene	11.956	106	173158	20.563	ug/l	100
70) Styrene	11.969	104	290368	20.968	ug/l	100
71) Bromoform	12.133	173	59594	19.497	ug/l #	99
73) Isopropylbenzene	12.255	105	457435	20.332	ug/l	99
74) N-amyl acetate	12.072	43	63675	15.757	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	67088	18.231	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	51352m	17.049	ug/l	
77) Bromobenzene	12.529	156	120941	20.220	ug/l	97
78) n-propylbenzene	12.597	91	544028	20.896	ug/l	100
79) 2-Chlorotoluene	12.682	91	314616	20.636	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	382336	21.030	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	21535	17.532	ug/l	99
82) 4-Chlorotoluene	12.779	91	333366	21.231	ug/l	100
83) tert-Butylbenzene	12.999	119	342878	20.426	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	382715	21.093	ug/l	99
85) sec-Butylbenzene	13.176	105	504696	20.959	ug/l	100
86) p-Isopropyltoluene	13.292	119	427597	20.856	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	241546	20.738	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	236089	20.523	ug/l	98
89) n-Butylbenzene	13.615	91	360818	20.198	ug/l	99
90) Hexachloroethane	13.877	117	93382	21.177	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	209046	20.472	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10278	17.023	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	114772	18.029	ug/l	99
94) Hexachlorobutadiene	15.023	225	80710	20.338	ug/l	97
95) Naphthalene	15.145	128	155957	15.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	99805	18.100	ug/l	99

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

