

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023524.D
 Acq On : 21 Oct 2025 10:27
 Operator : SY/MD
 Sample : VY1021SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 01:22:56 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	507725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	737688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	649036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193552	45.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.180%		
35) Dibromofluoromethane	7.640	113	224981	49.635	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.260%		
50) Toluene-d8	10.109	98	839480	49.731	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.460%		
62) 4-Bromofluorobenzene	12.407	95	265572	47.653	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	76535	20.942	ug/l	97
3) Chloromethane	2.074	50	96007	19.285	ug/l	94
4) Vinyl Chloride	2.208	62	129832	20.022	ug/l	98
5) Bromomethane	2.592	94	112639	20.700	ug/l	95
6) Chloroethane	2.732	64	94469	21.373	ug/l	95
7) Trichlorofluoromethane	3.055	101	185484	20.601	ug/l	99
8) Diethyl Ether	3.458	74	43119	18.328	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	96666	20.690	ug/l	98
10) Methyl Iodide	4.007	142	105061	20.199	ug/l	99
11) Tert butyl alcohol	4.854	59	29782	94.291	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	93147	20.567	ug/l	97
13) Acrolein	3.653	56	22812	51.113	ug/l	100
14) Allyl chloride	4.391	41	104298	18.896	ug/l	98
15) Acrylonitrile	5.067	53	80058	88.919	ug/l	100
16) Acetone	3.866	43	119903	118.627	ug/l	99
17) Carbon Disulfide	4.110	76	255071	19.677	ug/l	100
18) Methyl Acetate	4.385	43	41344	15.593	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	198449	18.231	ug/l	99
20) Methylene Chloride	4.622	84	103156	18.874	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	102505	20.557	ug/l	95
22) Diisopropyl ether	6.024	45	241142	19.751	ug/l	100
23) Vinyl Acetate	5.963	43	608978	92.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	166872	20.633	ug/l	99
25) 2-Butanone	6.896	43	123377	99.983	ug/l	97
26) 2,2-Dichloropropane	6.884	77	153398	20.671	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	118114	20.507	ug/l	98
28) Bromochloromethane	7.244	49	59036	19.554	ug/l	99
29) Tetrahydrofuran	7.262	42	56628	80.926	ug/l	98
30) Chloroform	7.427	83	186548	20.994	ug/l	98
31) Cyclohexane	7.707	56	131398	18.604	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	167846	20.786	ug/l	99
36) 1,1-Dichloropropene	7.835	75	125854	20.973	ug/l	99
37) Ethyl Acetate	6.988	43	42506	17.879	ug/l	97
38) Carbon Tetrachloride	7.817	117	152959	21.021	ug/l	99
39) Methylcyclohexane	9.109	83	152680	19.541	ug/l	97
40) Benzene	8.085	78	409670	21.557	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	25328m	19.698	ug/l	
42) 1,2-Dichloroethane	8.158	62	97868	19.968	ug/l	98
43) Isopropyl Acetate	8.201	43	83604	17.636	ug/l	96
44) Trichloroethene	8.865	130	117839	21.185	ug/l	97
45) 1,2-Dichloropropane	9.140	63	86878	20.697	ug/l	96
46) Dibromomethane	9.231	93	54393	20.493	ug/l	98
47) Bromodichloromethane	9.426	83	141737	21.203	ug/l	97
48) Methyl methacrylate	9.225	41	36374	16.333	ug/l	93
49) 1,4-Dioxane	9.231	88	11187	363.519	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	212509	86.764	ug/l	99
52) Toluene	10.170	92	264651	21.448	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	113570	19.539	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	138303	20.160	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	72099	20.200	ug/l	96
56) Ethyl methacrylate	10.438	69	71577	17.385	ug/l	97
57) 1,3-Dichloropropane	10.719	76	115753	20.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	157950	85.637	ug/l	99
59) 2-Hexanone	10.761	43	168854	96.468	ug/l	99
60) Dibromochloromethane	10.914	129	102818	20.546	ug/l	99
61) 1,2-Dibromoethane	11.011	107	68658	20.170	ug/l	98
64) Tetrachloroethene	10.646	164	148305	22.130	ug/l	96
65) Chlorobenzene	11.444	112	298892	21.174	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	105088	20.891	ug/l	99
67) Ethyl Benzene	11.517	91	475071	20.791	ug/l	100
68) m/p-Xylenes	11.627	106	391375	42.703	ug/l	100
69) o-Xylene	11.956	106	178360	20.748	ug/l	98
70) Styrene	11.969	104	290473	20.548	ug/l	99
71) Bromoform	12.133	173	61136	19.593	ug/l #	100
73) Isopropylbenzene	12.255	105	463044	20.329	ug/l	100
74) N-amyl acetate	12.072	43	68201	16.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70214	18.847	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	63070m	20.683	ug/l	
77) Bromobenzene	12.529	156	123338	20.368	ug/l	98
78) n-propylbenzene	12.596	91	549380	20.843	ug/l	100
79) 2-Chlorotoluene	12.676	91	317913	20.597	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	383903	20.858	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22311	17.942	ug/l	97
82) 4-Chlorotoluene	12.773	91	329355	20.719	ug/l	99
83) tert-Butylbenzene	12.999	119	348123	20.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	381863	20.789	ug/l	100
85) sec-Butylbenzene	13.176	105	513781	21.075	ug/l	99
86) p-Isopropyltoluene	13.291	119	434529	20.935	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	245648	20.832	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	239545	20.569	ug/l	99
89) n-Butylbenzene	13.615	91	366353	20.257	ug/l	99
90) Hexachloroethane	13.877	117	92759	20.778	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	212289	20.535	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10564	17.282	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	123359	19.140	ug/l	99
94) Hexachlorobutadiene	15.023	225	84356	20.997	ug/l	100
95) Naphthalene	15.145	128	169169	16.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	104991	18.807	ug/l	99

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

