

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102825\
 Data File : VY023600.D
 Acq On : 28 Oct 2025 10:01
 Operator : SY/MD
 Sample : VY1028SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1028SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/29/2025
 Supervised By :Mahesh Dadoda 10/29/2025

Quant Time: Oct 29 06:21:52 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	466766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	688703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	608323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	321635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	196350	50.305	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.620%			
35) Dibromofluoromethane	7.634	113	221379	52.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.620%			
50) Toluene-d8	10.109	98	808043	51.274	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.408	95	265636	51.055	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	69870	20.796	ug/l	97
3) Chloromethane	2.074	50	91352	19.960	ug/l	98
4) Vinyl Chloride	2.208	62	120309	20.182	ug/l	98
5) Bromomethane	2.592	94	109036	21.796	ug/l	97
6) Chloroethane	2.732	64	87164	21.450	ug/l	99
7) Trichlorofluoromethane	3.056	101	177446	21.438	ug/l	100
8) Diethyl Ether	3.458	74	43433	20.081	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	95195	22.163	ug/l	99
10) Methyl Iodide	4.007	142	97920	20.478	ug/l	100
11) Tert butyl alcohol	4.860	59	29198	100.553	ug/l	100
12) 1,1-Dichloroethene	3.793	96	87083	20.915	ug/l	95
13) Acrolein	3.659	56	16931	41.265	ug/l	91
14) Allyl chloride	4.391	41	104257	20.546	ug/l	98
15) Acrylonitrile	5.061	53	84404	101.973	ug/l	99
16) Acetone	3.866	43	131159	141.149	ug/l	97
17) Carbon Disulfide	4.110	76	240939	20.218	ug/l	99
18) Methyl Acetate	4.391	43	41922	17.198	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	200260	20.012	ug/l	96
20) Methylene Chloride	4.616	84	101756	20.251	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	98982	21.593	ug/l	100
22) Diisopropyl ether	6.018	45	241026	21.474	ug/l	96
23) Vinyl Acetate	5.964	43	631264	103.904	ug/l	100
24) 1,1-Dichloroethane	5.921	63	164133	22.076	ug/l	99
25) 2-Butanone	6.896	43	136405	120.241	ug/l	96
26) 2,2-Dichloropropane	6.890	77	151471	22.202	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	115619	21.835	ug/l	98
28) Bromochloromethane	7.250	49	60766	21.893	ug/l	98
29) Tetrahydrofuran	7.262	42	62628	97.354	ug/l	99
30) Chloroform	7.421	83	183212	22.428	ug/l	97
31) Cyclohexane	7.701	56	133313	20.532	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	165698	22.321	ug/l	100
36) 1,1-Dichloropropene	7.835	75	123774	22.093	ug/l	99
37) Ethyl Acetate	6.982	43	44619	20.103	ug/l	98
38) Carbon Tetrachloride	7.823	117	150651	22.177	ug/l	98
39) Methylcyclohexane	9.109	83	151022	20.704	ug/l	96
40) Benzene	8.079	78	393698	22.190	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	20248	16.868	ug/l	88
42) 1,2-Dichloroethane	8.158	62	99846	21.821	ug/l	100
43) Isopropyl Acetate	8.195	43	86105	19.455	ug/l	99
44) Trichloroethene	8.866	130	113936	21.940	ug/l	100
45) 1,2-Dichloropropane	9.140	63	87417	22.307	ug/l	99
46) Dibromomethane	9.231	93	54187	21.867	ug/l	96
47) Bromodichloromethane	9.420	83	138357	22.169	ug/l	98
48) Methyl methacrylate	9.219	41	38842	18.681	ug/l	95
49) 1,4-Dioxane	9.225	88	11340	394.700	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	229656	100.434	ug/l	98
52) Toluene	10.170	92	258089	22.404	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	111991	20.637	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	136753	21.352	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	73452	22.042	ug/l	95
56) Ethyl methacrylate	10.438	69	73531	19.129	ug/l	98
57) 1,3-Dichloropropane	10.719	76	112114	21.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	132397	76.888	ug/l	98
59) 2-Hexanone	10.762	43	184056	112.632	ug/l	99
60) Dibromochloromethane	10.914	129	100306	21.470	ug/l	100
61) 1,2-Dibromoethane	11.018	107	67752	21.319	ug/l	99
64) Tetrachloroethene	10.646	164	142374	22.667	ug/l	99
65) Chlorobenzene	11.438	112	286438	21.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	103716	21.998	ug/l	100
67) Ethyl Benzene	11.518	91	459863	21.472	ug/l	100
68) m/p-Xylenes	11.627	106	378066	44.012	ug/l	99
69) o-Xylene	11.956	106	171152	21.242	ug/l	100
70) Styrene	11.969	104	284873	21.500	ug/l	100
71) Bromoform	12.133	173	60670	20.745	ug/l #	98
73) Isopropylbenzene	12.255	105	451320	21.293	ug/l	99
74) N-amyl acetate	12.072	43	69684	18.303	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	71985	20.764	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	53848m	18.976	ug/l	
77) Bromobenzene	12.530	156	118325	20.998	ug/l	99
78) n-propylbenzene	12.597	91	541114	22.061	ug/l	99
79) 2-Chlorotoluene	12.676	91	308506	21.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	374465	21.863	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22332	19.298	ug/l	96
82) 4-Chlorotoluene	12.773	91	323122	21.843	ug/l	100
83) tert-Butylbenzene	12.993	119	337341	21.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	370089	21.651	ug/l	100
85) sec-Butylbenzene	13.176	105	497748	21.941	ug/l	100
86) p-Isopropyltoluene	13.292	119	416425	21.560	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	236963	21.595	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	230538	21.272	ug/l	100
89) n-Butylbenzene	13.615	91	357323	21.231	ug/l	99
90) Hexachloroethane	13.877	117	89471	21.537	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	205061	21.315	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10856	19.085	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	115182	19.205	ug/l	99
94) Hexachlorobutadiene	15.017	225	78197	20.916	ug/l	98
95) Naphthalene	15.139	128	159934	16.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	98332	18.928	ug/l	98

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

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