

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023587.D
 Acq On : 27 Oct 2025 10:17
 Operator : SY/MD
 Sample : VY1027SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1027SBS01

Quant Time: Oct 28 04:36:05 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 10/28/2025
 Supervised By :Mahesh Dadoda 10/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	499774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	732575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	644176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195073	46.677	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.360%		
35) Dibromofluoromethane	7.634	113	227097	50.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.900%		
50) Toluene-d8	10.109	98	822762	49.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.160%		
62) 4-Bromofluorobenzene	12.408	95	271973	49.142	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	71824	19.966	ug/l	95
3) Chloromethane	2.074	50	90648	18.498	ug/l	99
4) Vinyl Chloride	2.208	62	122333	19.166	ug/l	99
5) Bromomethane	2.592	94	111461	20.809	ug/l	97
6) Chloroethane	2.732	64	87222	20.047	ug/l	100
7) Trichlorofluoromethane	3.056	101	182989	20.648	ug/l	95
8) Diethyl Ether	3.452	74	44668	19.288	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	98823	21.488	ug/l	98
10) Methyl Iodide	4.007	142	99971	19.527	ug/l	99
11) Tert butyl alcohol	4.854	59	25017	80.465	ug/l	97
12) 1,1-Dichloroethene	3.793	96	91057	20.425	ug/l	96
13) Acrolein	3.653	56	18444	41.983	ug/l	100
14) Allyl chloride	4.385	41	106830	19.663	ug/l	97
15) Acrylonitrile	5.055	53	85666	96.662	ug/l	99
16) Acetone	3.872	43	131477	132.147	ug/l	100
17) Carbon Disulfide	4.110	76	248009	19.437	ug/l	100
18) Methyl Acetate	4.391	43	40005	15.328	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	211366	19.727	ug/l	96
20) Methylene Chloride	4.616	84	105371	19.586	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	103122	21.010	ug/l	96
22) Diisopropyl ether	6.018	45	249840	20.789	ug/l	98
23) Vinyl Acetate	5.964	43	658856	101.283	ug/l	100
24) 1,1-Dichloroethane	5.921	63	167346	21.021	ug/l	98
25) 2-Butanone	6.896	43	133835	110.184	ug/l	93
26) 2,2-Dichloropropane	6.890	77	157622	21.578	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	122389	21.587	ug/l	97
28) Bromochloromethane	7.250	49	60920	20.499	ug/l	98
29) Tetrahydrofuran	7.262	42	62255	90.383	ug/l	99
30) Chloroform	7.421	83	190441	21.773	ug/l	98
31) Cyclohexane	7.701	56	138725	19.954	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	173001	21.765	ug/l	99
36) 1,1-Dichloropropene	7.835	75	126802	21.278	ug/l	99
37) Ethyl Acetate	6.988	43	45622	19.324	ug/l	98
38) Carbon Tetrachloride	7.823	117	156366	21.639	ug/l	100
39) Methylcyclohexane	9.109	83	159113	20.507	ug/l	98
40) Benzene	8.079	78	407526	21.594	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	23723	18.579	ug/l	93
42) 1,2-Dichloroethane	8.158	62	101743	20.904	ug/l	99
43) Isopropyl Acetate	8.195	43	87878	18.667	ug/l	98
44) Trichloroethene	8.865	130	120671	21.846	ug/l	98
45) 1,2-Dichloropropane	9.140	63	90039	21.600	ug/l	96
46) Dibromomethane	9.231	93	55698	21.131	ug/l	98
47) Bromodichloromethane	9.426	83	143142	21.562	ug/l	97
48) Methyl methacrylate	9.225	41	40623	18.368	ug/l	99
49) 1,4-Dioxane	9.231	88	11549	377.901	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	232057	95.406	ug/l	99
52) Toluene	10.170	92	264958	21.623	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	118614	20.549	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	143035	20.995	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	74277	20.955	ug/l	97
56) Ethyl methacrylate	10.438	69	79786	19.514	ug/l	98
57) 1,3-Dichloropropane	10.719	76	118060	21.019	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	172090	93.954	ug/l	99
59) 2-Hexanone	10.761	43	188221	108.283	ug/l	99
60) Dibromochloromethane	10.914	129	103231	20.773	ug/l	98
61) 1,2-Dibromoethane	11.018	107	69606	20.591	ug/l	99
64) Tetrachloroethene	10.646	164	149629	22.496	ug/l	98
65) Chlorobenzene	11.444	112	300150	21.423	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	107648	21.561	ug/l	100
67) Ethyl Benzene	11.517	91	482176	21.261	ug/l	99
68) m/p-Xylenes	11.627	106	396042	43.538	ug/l	98
69) o-Xylene	11.956	106	182977	21.446	ug/l	99
70) Styrene	11.969	104	299250	21.328	ug/l	99
71) Bromoform	12.133	173	63230	20.417	ug/l #	99
73) Isopropylbenzene	12.255	105	477591	20.978	ug/l	100
74) N-amyl acetate	12.072	43	73513	17.977	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70375	18.899	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	55257m	18.129	ug/l	
77) Bromobenzene	12.529	156	124518	20.573	ug/l	100
78) n-propylbenzene	12.596	91	565369	21.460	ug/l	99
79) 2-Chlorotoluene	12.682	91	326754	21.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	399645	21.723	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	23427	18.848	ug/l	97
82) 4-Chlorotoluene	12.773	91	339541	21.370	ug/l	99
83) tert-Butylbenzene	12.999	119	363021	21.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	397243	21.636	ug/l	99
85) sec-Butylbenzene	13.176	105	529053	21.712	ug/l	100
86) p-Isopropyltoluene	13.291	119	450136	21.697	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	250810	21.280	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	243581	20.925	ug/l	98
89) n-Butylbenzene	13.615	91	380196	21.032	ug/l	99
90) Hexachloroethane	13.877	117	94960	21.281	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	218613	21.156	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11178	18.295	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	127872	19.850	ug/l	100
94) Hexachlorobutadiene	15.023	225	84513	21.046	ug/l	97
95) Naphthalene	15.145	128	177886	17.341	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	107539	19.273	ug/l	100

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

