

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
 Data File : VY023614.D
 Acq On : 29 Oct 2025 10:37
 Operator : SY/MD
 Sample : VY1029SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 03:14:21 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	7.707	168	459750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	680668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	598909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	321575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183542	47.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.480%		
35) Dibromofluoromethane	7.640	113	206103	49.279	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.560%		
50) Toluene-d8	10.103	98	748766	48.073	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.140%		
62) 4-Bromofluorobenzene	12.402	95	246985	48.030	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	69001	20.851	ug/l	96
3) Chloromethane	2.074	50	93057	20.642	ug/l	100
4) Vinyl Chloride	2.208	62	120856	20.583	ug/l	99
5) Bromomethane	2.592	94	106818	21.678	ug/l	100
6) Chloroethane	2.739	64	88356	22.076	ug/l	99
7) Trichlorofluoromethane	3.056	101	174057	21.350	ug/l	100
8) Diethyl Ether	3.458	74	45493	21.355	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	97080	22.947	ug/l	99
10) Methyl Iodide	4.001	142	101496	21.550	ug/l	99
11) Tert butyl alcohol	4.854	59	30056	105.088	ug/l	97
12) 1,1-Dichloroethene	3.793	96	88295	21.530	ug/l	92
13) Acrolein	3.653	56	18005	44.552	ug/l	99
14) Allyl chloride	4.385	41	110903	22.189	ug/l	100
15) Acrylonitrile	5.067	53	88844	108.975	ug/l	100
16) Acetone	3.866	43	134545	147.003	ug/l	100
17) Carbon Disulfide	4.104	76	243248	20.724	ug/l	99
18) Methyl Acetate	4.391	43	48615	20.249	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	213229	21.633	ug/l	100
20) Methylene Chloride	4.616	84	103847	20.983	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	101130	22.398	ug/l	93
22) Diisopropyl ether	6.019	45	260342	23.548	ug/l	93
23) Vinyl Acetate	5.964	43	666368	111.356	ug/l	99
24) 1,1-Dichloroethane	5.921	63	169601	23.159	ug/l	98
25) 2-Butanone	6.896	43	143124	128.089	ug/l	95
26) 2,2-Dichloropropane	6.890	77	157609	23.454	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	119234	22.861	ug/l	99
28) Bromochloromethane	7.244	49	61891	22.638	ug/l	98
29) Tetrahydrofuran	7.262	42	68066	107.422	ug/l	96
30) Chloroform	7.421	83	190892	23.725	ug/l	94
31) Cyclohexane	7.701	56	136328	21.317	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	168039	22.981	ug/l	99
36) 1,1-Dichloropropene	7.841	75	123868	22.371	ug/l	99
37) Ethyl Acetate	6.988	43	50292	22.926	ug/l	96
38) Carbon Tetrachloride	7.817	117	152211	22.671	ug/l	98
39) Methylcyclohexane	9.109	83	154282	21.400	ug/l	96
40) Benzene	8.079	78	403236	22.996	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	25558m	21.542	ug/l	
42) 1,2-Dichloroethane	8.158	62	102181	22.595	ug/l	99
43) Isopropyl Acetate	8.201	43	93052	21.273	ug/l #	86
44) Trichloroethene	8.866	130	115482	22.501	ug/l	95
45) 1,2-Dichloropropane	9.140	63	89518	23.112	ug/l	98
46) Dibromomethane	9.231	93	55964	22.851	ug/l	98
47) Bromodichloromethane	9.426	83	143512	23.267	ug/l	99
48) Methyl methacrylate	9.219	41	41369	20.132	ug/l	96
49) 1,4-Dioxane	9.225	88	11329	398.972	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	247429	109.484	ug/l	99
52) Toluene	10.170	92	260117	22.846	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	118385	22.073	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	144478	22.824	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	76640	23.271	ug/l	94
56) Ethyl methacrylate	10.438	69	79562	20.943	ug/l	99
57) 1,3-Dichloropropane	10.719	76	121066	23.198	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	174388	102.469	ug/l	99
59) 2-Hexanone	10.762	43	197632	122.368	ug/l	97
60) Dibromochloromethane	10.908	129	104580	22.649	ug/l	100
61) 1,2-Dibromoethane	11.012	107	70843	22.555	ug/l	100
64) Tetrachloroethene	10.646	164	142440	23.034	ug/l	99
65) Chlorobenzene	11.438	112	296935	22.796	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	104459	22.504	ug/l	97
67) Ethyl Benzene	11.518	91	476104	22.580	ug/l	98
68) m/p-Xylenes	11.627	106	389834	46.095	ug/l	100
69) o-Xylene	11.956	106	177150	22.332	ug/l	98
70) Styrene	11.969	104	296335	22.717	ug/l	100
71) Bromoform	12.127	173	63315	21.990	ug/l #	97
73) Isopropylbenzene	12.255	105	466811	22.028	ug/l	99
74) N-amyl acetate	12.066	43	77028	20.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	74958	21.626	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	55828m	19.677	ug/l	
77) Bromobenzene	12.530	156	122354	21.717	ug/l	98
78) n-propylbenzene	12.591	91	554891	22.627	ug/l	100
79) 2-Chlorotoluene	12.676	91	322765	22.475	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	389996	22.774	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24256	20.965	ug/l	97
82) 4-Chlorotoluene	12.773	91	336079	22.723	ug/l	99
83) tert-Butylbenzene	12.993	119	348993	22.072	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	386702	22.627	ug/l	100
85) sec-Butylbenzene	13.176	105	512565	22.598	ug/l	99
86) p-Isopropyltoluene	13.292	119	433315	22.438	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	242630	22.115	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	237683	21.936	ug/l	98
89) n-Butylbenzene	13.615	91	370611	22.025	ug/l	99
90) Hexachloroethane	13.877	117	92583	22.290	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	215178	22.371	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12055	21.196	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	126983	21.176	ug/l	99
94) Hexachlorobutadiene	15.023	225	80958	21.658	ug/l	98
95) Naphthalene	15.145	128	188360	19.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	109793	21.138	ug/l	99

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

