

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102825\
 Data File : VY023601.D
 Acq On : 28 Oct 2025 10:24
 Operator : SY/MD
 Sample : VY1028SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 06:22:45 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	455764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	666569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	588558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	310817	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	187961	49.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.634	113	210029	51.280	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.560%
50) Toluene-d8	10.109	98	774440	50.773	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.402	95	251364	49.916	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.840%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	72019	21.953	ug/l	96
3) Chloromethane	2.074	50	92722	20.748	ug/l	96
4) Vinyl Chloride	2.208	62	128188	22.022	ug/l	97
5) Bromomethane	2.592	94	111252	22.775	ug/l	97
6) Chloroethane	2.733	64	89477	22.551	ug/l	96
7) Trichlorofluoromethane	3.056	101	184057	22.774	ug/l	100
8) Diethyl Ether	3.458	74	45069	21.341	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	99109	23.632	ug/l	100
10) Methyl Iodide	4.007	142	104737	22.433	ug/l	100
11) Tert butyl alcohol	4.854	59	30836	108.758	ug/l	98
12) 1,1-Dichloroethene	3.793	96	90636	22.294	ug/l	94
13) Acrolein	3.653	56	19413	48.456	ug/l	99
14) Allyl chloride	4.385	41	111339	22.471	ug/l	98
15) Acrylonitrile	5.061	53	89509	110.751	ug/l	100
16) Acetone	3.866	43	135646	149.502	ug/l	99
17) Carbon Disulfide	4.110	76	247768	21.293	ug/l	98
18) Methyl Acetate	4.385	43	47132	19.803	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	211702	21.666	ug/l	100
20) Methylene Chloride	4.616	84	104323	21.263	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	101692	22.719	ug/l	96
22) Diisopropyl ether	6.019	45	255040	23.271	ug/l	95
23) Vinyl Acetate	5.964	43	669667	112.886	ug/l	99
24) 1,1-Dichloroethane	5.921	63	170855	23.534	ug/l	98
25) 2-Butanone	6.896	43	141062	127.348	ug/l	98
26) 2,2-Dichloropropane	6.890	77	157891	23.702	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	117622	22.749	ug/l	99
28) Bromochloromethane	7.244	49	59815	22.070	ug/l	98
29) Tetrahydrofuran	7.268	42	67276	107.104	ug/l	100
30) Chloroform	7.421	83	189686	23.781	ug/l	100
31) Cyclohexane	7.701	56	140081	22.095	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	170699	23.549	ug/l	99
36) 1,1-Dichloropropene	7.835	75	127469	23.508	ug/l	99
37) Ethyl Acetate	6.982	43	49001	22.810	ug/l	97
38) Carbon Tetrachloride	7.817	117	156432	23.792	ug/l	97
39) Methylcyclohexane	9.109	83	158006	22.380	ug/l	98
40) Benzene	8.079	78	404795	23.573	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	25394m	21.857	ug/l	
42) 1,2-Dichloroethane	8.158	62	101064	22.820	ug/l	99
43) Isopropyl Acetate	8.201	43	94190	21.989	ug/l	99
44) Trichloroethene	8.866	130	117688	23.415	ug/l	99
45) 1,2-Dichloropropane	9.140	63	90127	23.762	ug/l	97
46) Dibromomethane	9.231	93	55338	23.073	ug/l	97
47) Bromodichloromethane	9.426	83	142280	23.555	ug/l	98
48) Methyl methacrylate	9.225	41	44531	22.129	ug/l	98
49) 1,4-Dioxane	9.231	88	12046	433.195	ug/l #	96
51) 4-Methyl-2-Pentanone	10.000	43	250716	113.285	ug/l	98
52) Toluene	10.170	92	265953	23.853	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	118032	22.473	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	141576	22.839	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	76489	23.716	ug/l	97
56) Ethyl methacrylate	10.438	69	78889	21.205	ug/l	98
57) 1,3-Dichloropropane	10.719	76	117159	22.924	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	171553	102.936	ug/l	99
59) 2-Hexanone	10.762	43	201148	127.179	ug/l	97
60) Dibromochloromethane	10.914	129	105595	23.352	ug/l	99
61) 1,2-Dibromoethane	11.012	107	70060	22.777	ug/l	100
64) Tetrachloroethene	10.646	164	145375	23.922	ug/l	99
65) Chlorobenzene	11.444	112	296212	23.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	106001	23.237	ug/l	99
67) Ethyl Benzene	11.518	91	477377	23.039	ug/l	100
68) m/p-Xylenes	11.627	106	391246	47.076	ug/l	100
69) o-Xylene	11.957	106	178260	22.867	ug/l	100
70) Styrene	11.969	104	295341	23.039	ug/l	100
71) Bromoform	12.133	173	64591	22.827	ug/l #	97
73) Isopropylbenzene	12.255	105	466499	22.775	ug/l	99
74) N-amyl acetate	12.066	43	77341	21.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	75858	22.643	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	56722m	20.685	ug/l	
77) Bromobenzene	12.530	156	121115	22.241	ug/l	98
78) n-propylbenzene	12.591	91	552713	23.318	ug/l	100
79) 2-Chlorotoluene	12.676	91	319727	23.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	387416	23.406	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22742	20.337	ug/l	93
82) 4-Chlorotoluene	12.773	91	332052	23.228	ug/l	99
83) tert-Butylbenzene	12.993	119	351640	23.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	384595	23.282	ug/l	100
85) sec-Butylbenzene	13.176	105	515454	23.512	ug/l	99
86) p-Isopropyltoluene	13.292	119	430842	23.082	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	242552	22.873	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	239032	22.824	ug/l	98
89) n-Butylbenzene	13.615	91	368032	22.629	ug/l	99
90) Hexachloroethane	13.877	117	93510	23.293	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	209784	22.565	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11479	20.882	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	122400	21.119	ug/l	99
94) Hexachlorobutadiene	15.017	225	82250	22.766	ug/l	100
95) Naphthalene	15.139	128	179020	19.397	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	105226	20.960	ug/l	99

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

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