

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023018.D
 Acq On : 21 Jul 2025 11:36
 Operator : SY/MD
 Sample : VY0721SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0721SBS01

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 07/22/2025
 Supervised By : Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:48:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	421718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	701669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	590112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	278637	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215569	50.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.980%	
35) Dibromofluoromethane	7.634	113	212929	47.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.680%	
50) Toluene-d8	10.103	98	833649	47.230	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.460%	
62) 4-Bromofluorobenzene	12.401	95	254864	45.870	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.740%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	73646	20.567	ug/l	99
3) Chloromethane	2.068	50	134171	22.036	ug/l	99
4) Vinyl Chloride	2.202	62	171355	22.214	ug/l	99
5) Bromomethane	2.592	94	134352	24.132	ug/l	98
6) Chloroethane	2.732	64	114252	22.177	ug/l	96
7) Trichlorofluoromethane	3.056	101	193053	21.559	ug/l	98
8) Diethyl Ether	3.458	74	49327	21.047	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	97453	20.717	ug/l	98
10) Methyl Iodide	4.007	142	96160	19.678	ug/l	99
11) Tert butyl alcohol	4.866	59	27754	107.495	ug/l	96
12) 1,1-Dichloroethene	3.787	96	92298	20.597	ug/l	96
13) Acrolein	3.659	56	18258	150.490	ug/l	100
14) Allyl chloride	4.378	41	141040	20.659	ug/l	100
15) Acrylonitrile	5.061	53	94962	106.975	ug/l	100
16) Acetone	3.872	43	94087	121.580	ug/l	98
17) Carbon Disulfide	4.104	76	286478	21.094	ug/l	98
18) Methyl Acetate	4.391	43	56327	21.499	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	226552	21.078	ug/l	97
20) Methylene Chloride	4.616	84	138217	20.471	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	105018	21.053	ug/l	100
22) Diisopropyl ether	6.018	45	307028	21.199	ug/l	97
23) Vinyl Acetate	5.957	43	796609	109.159	ug/l	99
24) 1,1-Dichloroethane	5.915	63	188662	20.739	ug/l	99
25) 2-Butanone	6.896	43	128721	115.946	ug/l	100
26) 2,2-Dichloropropane	6.884	77	165426	20.749	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	119752	20.831	ug/l	99
28) Bromochloromethane	7.244	49	76365	21.643	ug/l	97
29) Tetrahydrofuran	7.268	42	78263	111.346	ug/l	99
30) Chloroform	7.421	83	191330	20.849	ug/l	97
31) Cyclohexane	7.701	56	170093	20.011	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	170957	20.531	ug/l	98
36) 1,1-Dichloropropene	7.835	75	140031	19.973	ug/l	99
37) Ethyl Acetate	6.988	43	53696	20.622	ug/l	99
38) Carbon Tetrachloride	7.817	117	150226	19.723	ug/l	96
39) Methylcyclohexane	9.109	83	176462	19.446	ug/l	99
40) Benzene	8.079	78	425961	20.179	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	31858	22.460	ug/l #	88
42) 1,2-Dichloroethane	8.158	62	109621	20.873	ug/l	99
43) Isopropyl Acetate	8.195	43	107425	20.770	ug/l #	88
44) Trichloroethene	8.859	130	104274	19.232	ug/l	98
45) 1,2-Dichloropropane	9.140	63	100649	20.417	ug/l	97
46) Dibromomethane	9.225	93	53231	20.891	ug/l	99
47) Bromodichloromethane	9.420	83	141545	20.096	ug/l	99
48) Methyl methacrylate	9.219	41	51494	20.622	ug/l	98
49) 1,4-Dioxane	9.225	88	11369	423.289	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	279440	106.444	ug/l	99
52) Toluene	10.170	92	260141	19.821	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	121765	20.140	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	146756	20.138	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	68420	20.430	ug/l	98
56) Ethyl methacrylate	10.438	69	83906	20.070	ug/l	98
57) 1,3-Dichloropropane	10.713	76	118038	20.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	208502	101.883	ug/l	99
59) 2-Hexanone	10.755	43	190073	110.148	ug/l	99
60) Dibromochloromethane	10.908	129	89811	20.479	ug/l	99
61) 1,2-Dibromoethane	11.011	107	62586	20.579	ug/l	100
64) Tetrachloroethene	10.646	164	107463	17.816	ug/l	98
65) Chlorobenzene	11.438	112	278001	19.964	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	92977	19.576	ug/l	99
67) Ethyl Benzene	11.517	91	481329	19.501	ug/l	97
68) m/p-Xylenes	11.627	106	370931	39.181	ug/l	99
69) o-Xylene	11.950	106	168595	19.189	ug/l	98
70) Styrene	11.969	104	282132	19.604	ug/l	100
71) Bromoform	12.127	173	48047	19.927	ug/l #	100
73) Isopropylbenzene	12.249	105	448907	19.003	ug/l	100
74) N-amyl acetate	12.066	43	91471	20.538	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	74386	21.759	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	60236m	17.349	ug/l	
77) Bromobenzene	12.529	156	98865	19.296	ug/l	98
78) n-propylbenzene	12.590	91	548378	19.493	ug/l	100
79) 2-Chlorotoluene	12.676	91	305812	19.328	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	362111	19.435	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22663	19.441	ug/l	98
82) 4-Chlorotoluene	12.773	91	315940	19.799	ug/l	99
83) tert-Butylbenzene	12.993	119	317013	18.836	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	358240	19.533	ug/l	100
85) sec-Butylbenzene	13.170	105	487116	19.314	ug/l	99
86) p-Isopropyltoluene	13.285	119	392041	19.139	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	199016	19.247	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	196711	19.665	ug/l	99
89) n-Butylbenzene	13.615	91	368568	19.500	ug/l	99
90) Hexachloroethane	13.877	117	81594	19.240	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	170533	19.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11157	21.980	ug/l	92
93) 1,2,4-Trichlorobenzene	14.913	180	91783	19.964	ug/l	99
94) Hexachlorobutadiene	15.017	225	56084	19.350	ug/l	99
95) Naphthalene	15.139	128	149495	20.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	76032	20.029	ug/l	99

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

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