

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023062.D
 Acq On : 13 Aug 2025 11:32
 Operator : SY/MD
 Sample : VY0813SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/18/2025
 Supervised By :Semsettin Yesilyurt 08/19/2025

Quant Time: Aug 14 01:21:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	488323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	786599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	688987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	328907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	245971	52.851	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.700%			
35) Dibromofluoromethane	7.628	113	243718	51.780	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.560%			
50) Toluene-d8	10.103	98	943517	51.313	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.620%			
62) 4-Bromofluorobenzene	12.401	95	289823	49.012	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	89613	22.482	ug/l	98
3) Chloromethane	2.068	50	151263	23.430	ug/l	99
4) Vinyl Chloride	2.196	62	188581	23.630	ug/l	99
5) Bromomethane	2.586	94	143802	24.128	ug/l	99
6) Chloroethane	2.726	64	122345	23.059	ug/l	98
7) Trichlorofluoromethane	3.049	101	220529	22.726	ug/l	98
8) Diethyl Ether	3.452	74	52861	20.590	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	100837	21.063	ug/l	97
10) Methyl Iodide	4.000	142	107946	20.896	ug/l	98
11) Tert butyl alcohol	4.854	59	31661	99.285	ug/l	100
12) 1,1-Dichloroethene	3.781	96	99825	21.214	ug/l	97
13) Acrolein	3.641	56	48067	102.923	ug/l	99
14) Allyl chloride	4.378	41	145579	21.025	ug/l	99
15) Acrylonitrile	5.049	53	106658	102.188	ug/l	99
16) Acetone	3.860	43	106854	105.977	ug/l	92
17) Carbon Disulfide	4.098	76	329468	21.473	ug/l	99
18) Methyl Acetate	4.378	43	59847	19.946	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	250389	20.534	ug/l	99
20) Methylene Chloride	4.604	84	126594	22.677	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	111980	21.175	ug/l	98
22) Diisopropyl ether	6.018	45	318585	21.174	ug/l	97
23) Vinyl Acetate	5.957	43	864882	103.955	ug/l	99
24) 1,1-Dichloroethane	5.909	63	197693	21.491	ug/l	98
25) 2-Butanone	6.890	43	140600	102.531	ug/l	98
26) 2,2-Dichloropropane	6.878	77	167303	21.077	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	127595	20.871	ug/l	98
28) Bromochloromethane	7.238	49	76958	21.087	ug/l	98
29) Tetrahydrofuran	7.256	42	86166	101.371	ug/l	98
30) Chloroform	7.414	83	203522	21.452	ug/l	93
31) Cyclohexane	7.695	56	180636	20.838	ug/l	97
32) 1,1,1-Trichloroethane	7.609	97	178730	21.232	ug/l	99
36) 1,1-Dichloropropene	7.829	75	143716	20.546	ug/l	99
37) Ethyl Acetate	6.975	43	61117	20.800	ug/l	98
38) Carbon Tetrachloride	7.811	117	157813	20.772	ug/l	95
39) Methylcyclohexane	9.103	83	187063	20.308	ug/l	98
40) Benzene	8.073	78	453091	21.016	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	27510	16.222	ug/l #	76
42) 1,2-Dichloroethane	8.152	62	116555	20.787	ug/l	99
43) Isopropyl Acetate	8.195	43	120262	20.250	ug/l	99
44) Trichloroethene	8.859	130	117017	21.003	ug/l	98
45) 1,2-Dichloropropane	9.134	63	104104	20.986	ug/l	97
46) Dibromomethane	9.225	93	58925	20.696	ug/l	98
47) Bromodichloromethane	9.420	83	152756	20.850	ug/l	100
48) Methyl methacrylate	9.219	41	55751	19.618	ug/l	98
49) 1,4-Dioxane	9.219	88	13744	411.688	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	304003	99.235	ug/l	100
52) Toluene	10.164	92	285848	20.876	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	135784	20.467	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	162259	20.683	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	78157	20.514	ug/l	98
56) Ethyl methacrylate	10.432	69	95035	19.494	ug/l	96
57) 1,3-Dichloropropane	10.713	76	132561	20.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	225995	98.276	ug/l	99
59) 2-Hexanone	10.755	43	210867	101.087	ug/l	98
60) Dibromochloromethane	10.908	129	103323	20.553	ug/l	99
61) 1,2-Dibromoethane	11.011	107	72407	20.221	ug/l	99
64) Tetrachloroethene	10.639	164	136894	22.251	ug/l	98
65) Chlorobenzene	11.438	112	303372	20.413	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	104058	20.631	ug/l	98
67) Ethyl Benzene	11.511	91	518732	20.283	ug/l	98
68) m/p-Xylenes	11.627	106	408117	40.858	ug/l	100
69) o-Xylene	11.950	106	187501	20.042	ug/l	97
70) Styrene	11.962	104	311947	20.389	ug/l	100
71) Bromoform	12.127	173	58086	19.704	ug/l #	98
73) Isopropylbenzene	12.249	105	488868	21.059	ug/l	100
74) N-amyl acetate	12.066	43	101884	20.696	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	77900	19.653	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	62623m	19.728	ug/l	
77) Bromobenzene	12.523	156	114020	20.588	ug/l	97
78) n-propylbenzene	12.590	91	592252	21.429	ug/l	100
79) 2-Chlorotoluene	12.676	91	338588	21.382	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	395083	21.058	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	25032	19.089	ug/l	91
82) 4-Chlorotoluene	12.773	91	346590	21.099	ug/l	100
83) tert-Butylbenzene	12.993	119	354749	20.936	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	395285	21.165	ug/l	99
85) sec-Butylbenzene	13.169	105	532130	21.378	ug/l	99
86) p-Isopropyltoluene	13.285	119	438613	21.229	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	228309	20.905	ug/l	98
88) 1,4-Dichlorobenzene	13.358	146	223875	20.664	ug/l	98
89) n-Butylbenzene	13.608	91	402947	21.234	ug/l	99
90) Hexachloroethane	13.871	117	91017	21.519	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	199690	20.849	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12753	20.665	ug/l	94
93) 1,2,4-Trichlorobenzene	14.913	180	111483	19.683	ug/l	97
94) Hexachlorobutadiene	15.017	225	68693	20.639	ug/l	99
95) Naphthalene	15.139	128	185590	19.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	96492	19.770	ug/l	98

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

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