

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023113.D
 Acq On : 15 Aug 2025 09:37
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 18 02:24:07 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	452403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	727202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	327154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	222883	51.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.380%			
35) Dibromofluoromethane	7.634	113	214583	49.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.620%			
50) Toluene-d8	10.103	98	852746	50.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.320%			
62) 4-Bromofluorobenzene	12.402	95	265399	48.547	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	72666	19.678	ug/l	95
3) Chloromethane	2.068	50	133033	22.242	ug/l	99
4) Vinyl Chloride	2.202	62	166453	22.514	ug/l	99
5) Bromomethane	2.586	94	140731	25.487	ug/l	99
6) Chloroethane	2.733	64	111737	22.732	ug/l	98
7) Trichlorofluoromethane	3.050	101	189636	21.094	ug/l	99
8) Diethyl Ether	3.452	74	47224	19.855	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	89471	20.173	ug/l	98
10) Methyl Iodide	4.001	142	86732	18.122	ug/l	98
11) Tert butyl alcohol	4.860	59	27882	94.376	ug/l	99
12) 1,1-Dichloroethene	3.787	96	86211	19.775	ug/l	96
13) Acrolein	3.647	56	38871	89.841	ug/l	100
14) Allyl chloride	4.379	41	123002	19.175	ug/l	98
15) Acrylonitrile	5.055	53	97096	100.413	ug/l	99
16) Acetone	3.867	43	106046	113.526	ug/l	96
17) Carbon Disulfide	4.104	76	285962	20.117	ug/l	99
18) Methyl Acetate	4.379	43	51562	18.549	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	220832	19.548	ug/l	98
20) Methylene Chloride	4.610	84	108703	20.808	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	97531	19.907	ug/l	98
22) Diisopropyl ether	6.019	45	280592	20.129	ug/l	95
23) Vinyl Acetate	5.958	43	767186	99.534	ug/l	98
24) 1,1-Dichloroethane	5.915	63	173658	20.377	ug/l	99
25) 2-Butanone	6.890	43	133656	105.206	ug/l	100
26) 2,2-Dichloropropane	6.884	77	149423	20.319	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	113605	20.058	ug/l	97
28) Bromochloromethane	7.238	49	74111	21.919	ug/l	96
29) Tetrahydrofuran	7.262	42	77082	97.884	ug/l	99
30) Chloroform	7.415	83	183779	20.909	ug/l	92
31) Cyclohexane	7.701	56	151804	18.902	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	157956	20.254	ug/l	99
36) 1,1-Dichloropropene	7.835	75	129384	20.008	ug/l	99
37) Ethyl Acetate	6.982	43	55493	20.428	ug/l	98
38) Carbon Tetrachloride	7.817	117	137873	19.630	ug/l	99
39) Methylcyclohexane	9.103	83	159285	18.705	ug/l	99
40) Benzene	8.079	78	405603	20.350	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	28150	17.956	ug/l	90
42) 1,2-Dichloroethane	8.152	62	106658	20.575	ug/l	98
43) Isopropyl Acetate	8.195	43	107344	19.551	ug/l	99
44) Trichloroethene	8.860	130	105377	20.459	ug/l	100
45) 1,2-Dichloropropane	9.140	63	93789	20.451	ug/l	100
46) Dibromomethane	9.231	93	54800	20.819	ug/l	97
47) Bromodichloromethane	9.420	83	141008	20.819	ug/l	100
48) Methyl methacrylate	9.219	41	49562	18.864	ug/l	98
49) 1,4-Dioxane	9.238	88	12370	400.796	ug/l	97
51) 4-Methyl-2-Pentanone	9.994	43	277163	97.864	ug/l	100
52) Toluene	10.170	92	255717	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	121993	19.890	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	142316	19.623	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	71057	20.174	ug/l	98
56) Ethyl methacrylate	10.439	69	86412	19.173	ug/l	98
57) 1,3-Dichloropropane	10.713	76	118549	19.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	208567	98.106	ug/l	100
59) 2-Hexanone	10.756	43	193382	100.277	ug/l	99
60) Dibromochloromethane	10.908	129	93374	20.091	ug/l	99
61) 1,2-Dibromoethane	11.012	107	66622	20.125	ug/l	98
64) Tetrachloroethene	10.646	164	127239	21.773	ug/l	93
65) Chlorobenzene	11.438	112	274616	19.453	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	93262	19.466	ug/l	98
67) Ethyl Benzene	11.518	91	456905	18.808	ug/l	98
68) m/p-Xylenes	11.627	106	365819	38.555	ug/l	98
69) o-Xylene	11.951	106	165713	18.648	ug/l	98
70) Styrene	11.969	104	281721	19.385	ug/l	99
71) Bromoform	12.127	173	52326	18.687	ug/l #	98
73) Isopropylbenzene	12.249	105	433053	18.755	ug/l	99
74) N-amyl acetate	12.066	43	91104	18.605	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	71400	18.110	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61433m	19.457	ug/l	
77) Bromobenzene	12.530	156	104694	19.006	ug/l	97
78) n-propylbenzene	12.591	91	527930	19.204	ug/l	100
79) 2-Chlorotoluene	12.676	91	298409	18.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	351759	18.850	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	24161	18.524	ug/l	95
82) 4-Chlorotoluene	12.774	91	307174	18.799	ug/l	99
83) tert-Butylbenzene	12.993	119	305956	18.153	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	356647	19.199	ug/l	99
85) sec-Butylbenzene	13.170	105	468353	18.917	ug/l	100
86) p-Isopropyltoluene	13.286	119	388353	18.897	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	206995	19.055	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	207638	19.268	ug/l	99
89) n-Butylbenzene	13.615	91	353333	18.720	ug/l	98
90) Hexachloroethane	13.877	117	82985	19.725	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	180503	18.946	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12160	19.809	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	102405	18.177	ug/l	99
94) Hexachlorobutadiene	15.017	225	61940	18.710	ug/l	98
95) Naphthalene	15.139	128	168145	17.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	86860	17.892	ug/l	99

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

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