

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022685.D
 Acq On : 13 Jun 2025 10:05
 Operator : SY/MD
 Sample : VY0613SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0613SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/16/2025
 Supervised By :Semsettin Yesilyurt 06/16/2025

Quant Time: Jun 14 02:01:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	141834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	243776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	205901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	96494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84107	53.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.040%			
35) Dibromofluoromethane	7.634	113	76325	52.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.920%			
50) Toluene-d8	10.103	98	307209	52.252	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.402	95	87738	50.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	28569	22.498	ug/l	99
3) Chloromethane	2.068	50	75985	20.255	ug/l	92
4) Vinyl Chloride	2.202	62	109732	25.214	ug/l	99
5) Bromomethane	2.586	94	104487	25.050	ug/l	95
6) Chloroethane	2.726	64	80142	26.830	ug/l	98
7) Trichlorofluoromethane	3.043	101	101324	27.426	ug/l	98
8) Diethyl Ether	3.452	74	18298	21.992	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	34621	22.250	ug/l	98
10) Methyl Iodide	4.001	142	33145	19.684	ug/l	98
11) Tert butyl alcohol	4.872	59	11975	105.692	ug/l #	73
12) 1,1-Dichloroethene	3.781	96	33312	22.397	ug/l	96
13) Acrolein	3.647	56	10950	77.548	ug/l	100
14) Allyl chloride	4.379	41	48750	20.878	ug/l	97
15) Acrylonitrile	5.061	53	38916	110.441	ug/l	99
16) Acetone	3.867	43	40800	126.645	ug/l	100
17) Carbon Disulfide	4.098	76	99707	20.939	ug/l	99
18) Methyl Acetate	4.385	43	20667	21.663	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	91352	21.806	ug/l	96
20) Methylene Chloride	4.610	84	41925	22.910	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	36857	22.141	ug/l	97
22) Diisopropyl ether	6.019	45	112201	21.588	ug/l	99
23) Vinyl Acetate	5.958	43	320741	104.265	ug/l	96
24) 1,1-Dichloroethane	5.915	63	70102	22.895	ug/l	98
25) 2-Butanone	6.896	43	55412	119.243	ug/l	99
26) 2,2-Dichloropropane	6.884	77	59971	22.168	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	43784	22.756	ug/l	98
28) Bromochloromethane	7.244	49	28960	21.698	ug/l	97
29) Tetrahydrofuran	7.268	42	31773	106.010	ug/l	98
30) Chloroform	7.415	83	71780	23.668	ug/l	92
31) Cyclohexane	7.701	56	63024	20.676	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	61388	22.802	ug/l	99
36) 1,1-Dichloropropene	7.835	75	52211	22.109	ug/l	99
37) Ethyl Acetate	6.988	43	22814	21.663	ug/l #	97
38) Carbon Tetrachloride	7.817	117	52867	21.822	ug/l	97
39) Methylcyclohexane	9.109	83	64146	20.213	ug/l	97
40) Benzene	8.079	78	157308	22.553	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	12876m	20.932	ug/l	
42) 1,2-Dichloroethane	8.158	62	42185	22.150	ug/l	99
43) Isopropyl Acetate	8.201	43	47147	20.729	ug/l	98
44) Trichloroethene	8.866	130	38470	22.567	ug/l	98
45) 1,2-Dichloropropane	9.140	63	36757	22.298	ug/l	95
46) Dibromomethane	9.231	93	20260	21.846	ug/l	100
47) Bromodichloromethane	9.420	83	52553	22.349	ug/l	95
48) Methyl methacrylate	9.219	41	21087	19.754	ug/l	94
49) 1,4-Dioxane	9.231	88	4516	411.039	ug/l #	94
51) 4-Methyl-2-Pentanone	10.000	43	119247	105.157	ug/l	98
52) Toluene	10.170	92	94609	21.584	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	46977	21.321	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	55314	21.567	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	26759	22.628	ug/l	97
56) Ethyl methacrylate	10.438	69	34948	20.447	ug/l	97
57) 1,3-Dichloropropane	10.713	76	47773	22.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	86999	112.113	ug/l	99
59) 2-Hexanone	10.762	43	80439	106.064	ug/l	98
60) Dibromochloromethane	10.908	129	31950	21.260	ug/l	100
61) 1,2-Dibromoethane	11.012	107	23720	22.007	ug/l	96
64) Tetrachloroethene	10.646	164	46751	26.395	ug/l	95
65) Chlorobenzene	11.438	112	100940	22.154	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	34021	22.165	ug/l	97
67) Ethyl Benzene	11.518	91	179277	21.214	ug/l	99
68) m/p-Xylenes	11.627	106	134198	41.889	ug/l	100
69) o-Xylene	11.950	106	64142	21.355	ug/l	98
70) Styrene	11.969	104	106420	21.434	ug/l	98
71) Bromoform	12.133	173	17024	20.842	ug/l #	97
73) Isopropylbenzene	12.249	105	168689	21.293	ug/l	100
74) N-amyl acetate	12.066	43	40635	20.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	25536	19.640	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	20384m	18.465	ug/l	
77) Bromobenzene	12.530	156	35909	21.480	ug/l	99
78) n-propylbenzene	12.591	91	203435	21.025	ug/l	99
79) 2-Chlorotoluene	12.676	91	108427	21.143	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	132209	21.257	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	8937	19.550	ug/l	100
82) 4-Chlorotoluene	12.773	91	111685	21.111	ug/l	100
83) tert-Butylbenzene	12.993	119	118578	21.242	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	128718	20.692	ug/l	100
85) sec-Butylbenzene	13.170	105	181134	21.187	ug/l	99
86) p-Isopropyltoluene	13.286	119	145697	20.675	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	73876	21.811	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	72016	21.921	ug/l	99
89) n-Butylbenzene	13.615	91	142878	21.370	ug/l	98
90) Hexachloroethane	13.877	117	29822	21.737	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	63928	22.230	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4433	23.417	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	36391	23.202	ug/l	97
94) Hexachlorobutadiene	15.017	225	19468	22.489	ug/l	99
95) Naphthalene	15.139	128	67258	22.346	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	30045	22.352	ug/l	96

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

