

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022616.D
 Acq On : 09 Jun 2025 09:28
 Operator : SY/MD
 Sample : VY0609SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0609SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/10/2025
 Supervised By :Semsettin Yesilyurt 06/10/2025

Quant Time: Jun 10 01:24:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	180330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	313534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	264373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	124130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	105864	52.489	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.980%			
35) Dibromofluoromethane	7.640	113	98620	52.698	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.400%			
50) Toluene-d8	10.109	98	393652	52.058	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.407	95	114274	50.721	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	35503	21.990	ug/l	99
3) Chloromethane	2.074	50	90908	19.060	ug/l	100
4) Vinyl Chloride	2.208	62	123940	22.400	ug/l	98
5) Bromomethane	2.592	94	115187	21.720	ug/l	99
6) Chloroethane	2.738	64	87572	23.058	ug/l	95
7) Trichlorofluoromethane	3.055	101	110292	23.480	ug/l	96
8) Diethyl Ether	3.458	74	21745	20.556	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.817	101	42792	21.630	ug/l	98
10) Methyl Iodide	4.006	142	38804	18.125	ug/l	97
11) Tert butyl alcohol	4.866	59	14635	101.594	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	41730	22.067	ug/l	97
13) Acrolein	3.653	56	15642	87.129	ug/l	99
14) Allyl chloride	4.384	41	64163	21.613	ug/l	99
15) Acrylonitrile	5.067	53	46848	104.569	ug/l	98
16) Acetone	3.872	43	51239	125.095	ug/l	95
17) Carbon Disulfide	4.110	76	127260	21.020	ug/l	97
18) Methyl Acetate	4.390	43	25133	20.721	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	110677	20.779	ug/l	98
20) Methylene Chloride	4.616	84	47551	20.437	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	46132	21.797	ug/l	95
22) Diisopropyl ether	6.024	45	140699	21.292	ug/l	97
23) Vinyl Acetate	5.963	43	403100	103.065	ug/l	98
24) 1,1-Dichloroethane	5.921	63	85365	21.928	ug/l	97
25) 2-Butanone	6.896	43	66718	112.923	ug/l	97
26) 2,2-Dichloropropane	6.890	77	75331	21.901	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	53567	21.897	ug/l	97
28) Bromochloromethane	7.250	49	36606	21.572	ug/l	98
29) Tetrahydrofuran	7.268	42	39403	103.402	ug/l	98
30) Chloroform	7.426	83	85448	22.160	ug/l	100
31) Cyclohexane	7.707	56	79320	20.467	ug/l	95
32) 1,1,1-Trichloroethane	7.621	97	76514	22.353	ug/l	98
36) 1,1-Dichloropropene	7.841	75	63681	20.966	ug/l	99
37) Ethyl Acetate	6.987	43	28688	21.180	ug/l	98
38) Carbon Tetrachloride	7.823	117	65820	21.124	ug/l	95
39) Methylcyclohexane	9.109	83	81709	20.018	ug/l	97
40) Benzene	8.085	78	192373	21.444	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	14327	18.109	ug/l	92
42) 1,2-Dichloroethane	8.164	62	52610	21.478	ug/l	99
43) Isopropyl Acetate	8.201	43	56862	19.438	ug/l	99
44) Trichloroethene	8.865	130	46540	21.226	ug/l	99
45) 1,2-Dichloropropane	9.146	63	45850	21.626	ug/l	100
46) Dibromomethane	9.237	93	24874	20.854	ug/l	99
47) Bromodichloromethane	9.426	83	63596	21.027	ug/l	95
48) Methyl methacrylate	9.225	41	26953	19.632	ug/l	97
49) 1,4-Dioxane	9.231	88	5644	399.413	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	143878	98.649	ug/l	97
52) Toluene	10.176	92	116028	20.581	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	58736	20.727	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	69134	20.958	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	32118	21.117	ug/l	97
56) Ethyl methacrylate	10.444	69	43697	19.878	ug/l	99
57) 1,3-Dichloropropane	10.718	76	56798	21.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	101189	101.387	ug/l	98
59) 2-Hexanone	10.761	43	97755	100.218	ug/l	99
60) Dibromochloromethane	10.914	129	38794	20.071	ug/l	98
61) 1,2-Dibromoethane	11.017	107	28238	20.370	ug/l	98
64) Tetrachloroethene	10.651	164	48985	21.540	ug/l	98
65) Chlorobenzene	11.444	112	119518	20.430	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	40545	20.573	ug/l	99
67) Ethyl Benzene	11.523	91	220283	20.301	ug/l	99
68) m/p-Xylenes	11.633	106	165869	40.323	ug/l	99
69) o-Xylene	11.956	106	78668	20.398	ug/l	100
70) Styrene	11.974	104	128445	20.148	ug/l	100
71) Bromoform	12.139	173	21089	20.109	ug/l #	100
73) Isopropylbenzene	12.255	105	204424	20.059	ug/l	99
74) N-amyl acetate	12.072	43	49430	19.223	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33366	19.948	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	27846m	19.609	ug/l	
77) Bromobenzene	12.535	156	42084	19.569	ug/l	96
78) n-propylbenzene	12.596	91	252911	20.319	ug/l	99
79) 2-Chlorotoluene	12.682	91	132324	20.058	ug/l	98
80) 1,3,5-Trimethylbenzene	12.736	105	160845	20.103	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	11565	19.667	ug/l	98
82) 4-Chlorotoluene	12.779	91	135295	19.880	ug/l	96
83) tert-Butylbenzene	12.999	119	144732	20.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.047	105	157518	19.684	ug/l	97
85) sec-Butylbenzene	13.175	105	222292	20.212	ug/l	100
86) p-Isopropyltoluene	13.291	119	179945	19.850	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	85983	19.733	ug/l	100
88) 1,4-Dichlorobenzene	13.370	146	84675	20.036	ug/l	97
89) n-Butylbenzene	13.620	91	176487	20.520	ug/l	98
90) Hexachloroethane	13.883	117	36848	20.879	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	76583	20.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5282	21.690	ug/l	91
93) 1,2,4-Trichlorobenzene	14.925	180	42424	21.026	ug/l	95
94) Hexachlorobutadiene	15.029	225	22789	20.464	ug/l	99
95) Naphthalene	15.151	128	72959	18.843	ug/l	99
96) 1,2,3-Trichlorobenzene	15.333	180	36781	21.271	ug/l	99

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

