

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022698.D
 Acq On : 16 Jun 2025 10:34
 Operator : SY/MD
 Sample : VY0616SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/17/2025
 Supervised By : Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 05:51:55 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	154209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	264302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	225807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	103858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95407	55.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.640%			
35) Dibromofluoromethane	7.640	113	85878	54.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.880%			
50) Toluene-d8	10.109	98	345045	54.130	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.260%			
62) 4-Bromofluorobenzene	12.401	95	100147	52.730	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	31407	22.748	ug/l	96
3) Chloromethane	2.068	50	101918	24.988	ug/l	96
4) Vinyl Chloride	2.202	62	119451	25.245	ug/l	97
5) Bromomethane	2.592	94	121157	26.715	ug/l	97
6) Chloroethane	2.732	64	87028	26.797	ug/l #	88
7) Trichlorofluoromethane	3.050	101	103365	25.733	ug/l	96
8) Diethyl Ether	3.458	74	19721	21.801	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	38935	23.014	ug/l	100
10) Methyl Iodide	4.007	142	37605	20.540	ug/l	98
11) Tert butyl alcohol	4.885	59	14063	114.160	ug/l	96
12) 1,1-Dichloroethene	3.793	96	35860	22.175	ug/l	95
13) Acrolein	3.653	56	11138	72.550	ug/l	99
14) Allyl chloride	4.385	41	54687	21.541	ug/l	97
15) Acrylonitrile	5.061	53	43330	113.099	ug/l	99
16) Acetone	3.879	43	45244	129.169	ug/l	96
17) Carbon Disulfide	4.104	76	110639	21.370	ug/l	98
18) Methyl Acetate	4.397	43	23060	22.232	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	101505	22.285	ug/l	97
20) Methylene Chloride	4.616	84	49311	24.784	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	40807	22.547	ug/l	93
22) Diisopropyl ether	6.018	45	127285	22.525	ug/l	95
23) Vinyl Acetate	5.964	43	366903	109.700	ug/l	99
24) 1,1-Dichloroethane	5.915	63	77453	23.266	ug/l	98
25) 2-Butanone	6.896	43	59745	118.250	ug/l	99
26) 2,2-Dichloropropane	6.884	77	67635	22.994	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	47998	22.944	ug/l	98
28) Bromochloromethane	7.244	49	33432	23.038	ug/l	99
29) Tetrahydrofuran	7.268	42	35535	109.047	ug/l	97
30) Chloroform	7.421	83	77944	23.638	ug/l	94
31) Cyclohexane	7.707	56	68987	20.816	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	66910	22.859	ug/l	97
36) 1,1-Dichloropropene	7.835	75	56782	22.177	ug/l	99
37) Ethyl Acetate	6.982	43	25536	22.364	ug/l	99
38) Carbon Tetrachloride	7.817	117	56761	21.610	ug/l	92
39) Methylcyclohexane	9.109	83	71187	20.689	ug/l	98
40) Benzene	8.079	78	171688	22.703	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	11105	16.651	ug/l #	54
42) 1,2-Dichloroethane	8.158	62	46956	22.741	ug/l	100
43) Isopropyl Acetate	8.201	43	53371	21.643	ug/l	98
44) Trichloroethene	8.866	130	43256	23.404	ug/l	98
45) 1,2-Dichloropropane	9.140	63	42085	23.548	ug/l	96
46) Dibromomethane	9.231	93	23220	23.094	ug/l	96
47) Bromodichloromethane	9.426	83	58071	22.777	ug/l	98
48) Methyl methacrylate	9.219	41	24684	21.328	ug/l	97
49) 1,4-Dioxane	9.231	88	4747	398.509	ug/l #	93
51) 4-Methyl-2-Pentanone	9.999	43	133697	108.744	ug/l	97
52) Toluene	10.170	92	105337	22.165	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	52876	22.135	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	61997	22.295	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	29316	22.865	ug/l	97
56) Ethyl methacrylate	10.438	69	39351	21.236	ug/l	98
57) 1,3-Dichloropropane	10.719	76	50916	22.406	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	94575	112.411	ug/l	97
59) 2-Hexanone	10.762	43	90194	109.691	ug/l	97
60) Dibromochloromethane	10.914	129	36576	22.448	ug/l	98
61) 1,2-Dibromoethane	11.011	107	26098	22.333	ug/l	97
64) Tetrachloroethene	10.646	164	48965	25.208	ug/l	97
65) Chlorobenzene	11.444	112	111400	22.294	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	37335	22.180	ug/l	98
67) Ethyl Benzene	11.517	91	199212	21.495	ug/l	98
68) m/p-Xylenes	11.627	106	149850	42.651	ug/l	98
69) o-Xylene	11.950	106	70142	21.293	ug/l	99
70) Styrene	11.969	104	115987	21.301	ug/l	99
71) Bromoform	12.133	173	19160	21.390	ug/l #	97
73) Isopropylbenzene	12.255	105	182833	21.442	ug/l	99
74) N-amyl acetate	12.072	43	44410	20.642	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	29912	21.374	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	23159m	19.491	ug/l	
77) Bromobenzene	12.530	156	38728	21.523	ug/l	99
78) n-propylbenzene	12.590	91	227339	21.829	ug/l	100
79) 2-Chlorotoluene	12.676	91	121022	21.925	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	143657	21.460	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	9916	20.154	ug/l	99
82) 4-Chlorotoluene	12.773	91	122042	21.433	ug/l	98
83) tert-Butylbenzene	12.999	119	130334	21.693	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	144066	21.517	ug/l	97
85) sec-Butylbenzene	13.176	105	197997	21.517	ug/l	100
86) p-Isopropyltoluene	13.292	119	159529	21.033	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	78055	21.411	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	76921	21.754	ug/l	98
89) n-Butylbenzene	13.615	91	156296	21.719	ug/l	100
90) Hexachloroethane	13.877	117	33188	22.476	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	68566	22.152	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4752	23.322	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	37520	22.226	ug/l	96
94) Hexachlorobutadiene	15.023	225	19759	21.206	ug/l	98
95) Naphthalene	15.139	128	69549	21.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	31085	21.486	ug/l	100

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

