

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022514.D
 Acq On : 03 Jun 2025 11:38
 Operator : SY/MD
 Sample : VY0603SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:10:06 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	7.707	168	196295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111211	50.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.634	113	102540	51.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.109	98	423577	52.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.408	95	120123	50.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	39450	22.448	ug/l	92
3) Chloromethane	2.068	50	115283	22.204	ug/l	98
4) Vinyl Chloride	2.202	62	133679	22.195	ug/l	98
5) Bromomethane	2.592	94	122385	21.200	ug/l	99
6) Chloroethane	2.732	64	89448	21.637	ug/l	96
7) Trichlorofluoromethane	3.049	101	108350	21.191	ug/l	98
8) Diethyl Ether	3.458	74	24283	21.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	43506	20.203	ug/l	97
10) Methyl Iodide	4.007	142	46266	19.853	ug/l	100
11) Tert butyl alcohol	4.872	59	16220	103.440	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	44732	21.731	ug/l	97
13) Acrolein	3.659	56	20248	103.612	ug/l	95
14) Allyl chloride	4.385	41	66730	20.650	ug/l	98
15) Acrylonitrile	5.055	53	47639	97.686	ug/l	96
16) Acetone	3.879	43	51428	115.345	ug/l	98
17) Carbon Disulfide	4.104	76	140692	21.348	ug/l	99
18) Methyl Acetate	4.391	43	25743	19.498	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	118588	20.454	ug/l	97
20) Methylene Chloride	4.616	84	48900	19.308	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	48144	20.897	ug/l	98
22) Diisopropyl ether	6.018	45	152316	21.175	ug/l	99
23) Vinyl Acetate	5.964	43	430636	101.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89303	21.074	ug/l	98
25) 2-Butanone	6.896	43	69185	107.575	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80364	21.464	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	57093	21.440	ug/l	99
28) Bromochloromethane	7.250	49	38497	20.841	ug/l	99
29) Tetrahydrofuran	7.262	42	39069	94.187	ug/l	97
30) Chloroform	7.421	83	90558	21.576	ug/l	98
31) Cyclohexane	7.707	56	83149	19.710	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78839	21.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67396	20.845	ug/l	100
37) Ethyl Acetate	6.988	43	29632	20.551	ug/l	99
38) Carbon Tetrachloride	7.817	117	69195	20.862	ug/l	97
39) Methylcyclohexane	9.109	83	88301	20.323	ug/l	98
40) Benzene	8.079	78	200930	21.041	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	15352m	18.228	ug/l	
42) 1,2-Dichloroethane	8.164	62	54776	21.007	ug/l	98
43) Isopropyl Acetate	8.201	43	61432	19.728	ug/l	98
44) Trichloroethene	8.866	130	50293	21.548	ug/l	90
45) 1,2-Dichloropropane	9.140	63	46638	20.665	ug/l	99
46) Dibromomethane	9.231	93	25459	20.051	ug/l	98
47) Bromodichloromethane	9.420	83	67575	20.989	ug/l	100
48) Methyl methacrylate	9.225	41	28959	19.815	ug/l	98
49) 1,4-Dioxane	9.237	88	5727	380.729	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	150410	96.879	ug/l	100
52) Toluene	10.170	92	123263	20.539	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	60064	19.911	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	71904	20.477	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	33397	20.628	ug/l	92
56) Ethyl methacrylate	10.438	69	45653	19.510	ug/l	98
57) 1,3-Dichloropropane	10.719	76	58164	20.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	110692	104.188	ug/l	99
59) 2-Hexanone	10.762	43	102187	98.414	ug/l	99
60) Dibromochloromethane	10.908	129	41567	20.203	ug/l	100
61) 1,2-Dibromoethane	11.018	107	29473	19.973	ug/l	98
64) Tetrachloroethene	10.646	164	50817	21.307	ug/l	96
65) Chlorobenzene	11.438	112	129702	21.140	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	43105	20.856	ug/l	99
67) Ethyl Benzene	11.517	91	236352	20.770	ug/l	99
68) m/p-Xylenes	11.627	106	178031	41.269	ug/l	99
69) o-Xylene	11.956	106	83649	20.682	ug/l	100
70) Styrene	11.969	104	137611	20.583	ug/l	99
71) Bromoform	12.133	173	21869	19.883	ug/l #	99
73) Isopropylbenzene	12.255	105	220201	21.105	ug/l	100
74) N-amyl acetate	12.072	43	52673	20.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34208	19.977	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	26292m	18.084	ug/l	
77) Bromobenzene	12.529	156	46055	20.918	ug/l	100
78) n-propylbenzene	12.597	91	269951	21.184	ug/l	99
79) 2-Chlorotoluene	12.682	91	142085	21.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	170919	20.866	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	11460	19.036	ug/l	95
82) 4-Chlorotoluene	12.779	91	141886	20.364	ug/l	96
83) tert-Butylbenzene	12.999	119	156660	21.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	170782	20.846	ug/l	99
85) sec-Butylbenzene	13.176	105	235402	20.907	ug/l	99
86) p-Isopropyltoluene	13.292	119	190486	20.525	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	91645	20.544	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	89601	20.709	ug/l	99
89) n-Butylbenzene	13.615	91	189125	21.478	ug/l	99
90) Hexachloroethane	13.877	117	38174	21.128	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	79301	20.938	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4844	19.429	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	43264	20.945	ug/l	99
94) Hexachlorobutadiene	15.023	225	23654	20.747	ug/l	99
95) Naphthalene	15.145	128	76972	19.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	35926	20.294	ug/l	97

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

