

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022148.D
 Acq On : 05 May 2025 10:17
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	278339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	430328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	393385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	209502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125920	48.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.960%		
35) Dibromofluoromethane	7.634	113	137332	48.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.620%		
50) Toluene-d8	10.109	98	519993	48.516	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.040%		
62) 4-Bromofluorobenzene	12.407	95	174772	48.439	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48796	20.574	ug/l	100
3) Chloromethane	2.068	50	63002	18.656	ug/l	98
4) Vinyl Chloride	2.202	62	81425	19.621	ug/l	98
5) Bromomethane	2.592	94	72343	20.234	ug/l	95
6) Chloroethane	2.732	64	57058	20.188	ug/l	97
7) Trichlorofluoromethane	3.055	101	113669	20.772	ug/l	95
8) Diethyl Ether	3.452	74	30207	21.208	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	62216	20.958	ug/l	99
10) Methyl Iodide	4.007	142	66651	19.392	ug/l	98
11) Tert butyl alcohol	4.866	59	15270	108.187	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	57099	20.636	ug/l	95
13) Acrolein	3.653	56	12848	50.717	ug/l	99
14) Allyl chloride	4.385	41	66330	20.588	ug/l	99
15) Acrylonitrile	5.055	53	55315	106.083	ug/l	99
16) Acetone	3.872	43	39800	105.963	ug/l	99
17) Carbon Disulfide	4.110	76	173566	19.673	ug/l	99
18) Methyl Acetate	4.391	43	29081	24.215	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	130362	21.050	ug/l	97
20) Methylene Chloride	4.616	84	70498	21.685	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	62834	20.277	ug/l	95
22) Diisopropyl ether	6.024	45	156404	21.814	ug/l	98
23) Vinyl Acetate	5.957	43	399269	103.328	ug/l	100
24) 1,1-Dichloroethane	5.921	63	105587	21.245	ug/l	97
25) 2-Butanone	6.896	43	60604	103.413	ug/l	94
26) 2,2-Dichloropropane	6.884	77	94987	21.806	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	71338	20.588	ug/l	97
28) Bromochloromethane	7.244	49	39685	20.558	ug/l	100
29) Tetrahydrofuran	7.262	42	39553	103.917	ug/l	96
30) Chloroform	7.421	83	117982	21.402	ug/l	99
31) Cyclohexane	7.701	56	87134	20.502	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	105680	21.189	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81491	21.339	ug/l	98
37) Ethyl Acetate	6.988	43	29484	21.497	ug/l	98
38) Carbon Tetrachloride	7.817	117	96698	21.190	ug/l	97
39) Methylcyclohexane	9.109	83	98904	20.580	ug/l	93
40) Benzene	8.079	78	251594	21.076	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	12806	17.080	ug/l #	72
42) 1,2-Dichloroethane	8.158	62	65776	22.255	ug/l	100
43) Isopropyl Acetate	8.195	43	54824	20.814	ug/l	97
44) Trichloroethene	8.865	130	70239	21.242	ug/l	93
45) 1,2-Dichloropropane	9.140	63	57088	21.625	ug/l	97
46) Dibromomethane	9.231	93	34924	21.133	ug/l	99
47) Bromodichloromethane	9.426	83	89301	21.631	ug/l	95
48) Methyl methacrylate	9.219	41	25748	21.146	ug/l	100
49) 1,4-Dioxane	9.231	88	7171	407.122	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	149456	108.242	ug/l	97
52) Toluene	10.170	92	163538	21.164	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	75653	21.364	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	88548	21.036	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	46999	21.291	ug/l	97
56) Ethyl methacrylate	10.438	69	51580	20.433	ug/l	96
57) 1,3-Dichloropropane	10.719	76	75869	21.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	125334	101.547	ug/l	99
59) 2-Hexanone	10.761	43	96724	106.206	ug/l	97
60) Dibromochloromethane	10.914	129	64549	21.121	ug/l	100
61) 1,2-Dibromoethane	11.017	107	44870	21.531	ug/l	96
64) Tetrachloroethene	10.652	164	81301	21.908	ug/l	92
65) Chlorobenzene	11.444	112	187475	21.311	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	66154	21.360	ug/l	99
67) Ethyl Benzene	11.517	91	291549	20.260	ug/l	98
68) m/p-Xylenes	11.627	106	242458	42.341	ug/l	99
69) o-Xylene	11.956	106	107465	20.361	ug/l	96
70) Styrene	11.969	104	183329	20.688	ug/l	99
71) Bromoform	12.133	173	37567	20.863	ug/l #	99
73) Isopropylbenzene	12.255	105	289313	20.670	ug/l	100
74) N-amyl acetate	12.072	43	46534	19.350	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	48444	20.529	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	38354m	21.373	ug/l	
77) Bromobenzene	12.536	156	72220	20.419	ug/l	96
78) n-propylbenzene	12.596	91	346937	20.814	ug/l	100
79) 2-Chlorotoluene	12.682	91	202404	20.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	241006	20.898	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14532	19.502	ug/l	88
82) 4-Chlorotoluene	12.779	91	212250	21.063	ug/l	99
83) tert-Butylbenzene	12.999	119	210708	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	243968	21.150	ug/l	99
85) sec-Butylbenzene	13.176	105	316220	20.893	ug/l	100
86) p-Isopropyltoluene	13.291	119	264257	20.562	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	148429	20.663	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	147690	20.759	ug/l	99
89) n-Butylbenzene	13.621	91	234967	20.454	ug/l	99
90) Hexachloroethane	13.883	117	59652	21.125	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	130998	20.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7151	19.047	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	71753	20.210	ug/l	99
94) Hexachlorobutadiene	15.023	225	43802	20.052	ug/l	99
95) Naphthalene	15.145	128	112613	19.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	62663	20.446	ug/l	97

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

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