

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021477.D
 Acq On : 11 Mar 2025 11:26
 Operator : SY/MD
 Sample : VY0311SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/12/2025
 Supervised By :Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:23:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	205814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	320893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	289092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118276	54.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.740%			
35) Dibromofluoromethane	7.634	113	111808	53.008	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.103	98	416806	52.190	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.407	95	143228	52.722	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	38513	20.391	ug/l	95
3) Chloromethane	2.068	50	57571	21.621	ug/l	96
4) Vinyl Chloride	2.202	62	67448	23.179	ug/l	96
5) Bromomethane	2.586	94	45581	21.673	ug/l	95
6) Chloroethane	2.726	64	44919	23.359	ug/l	98
7) Trichlorofluoromethane	3.049	101	90844	22.367	ug/l	97
8) Diethyl Ether	3.452	74	24779	22.015	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.811	101	49556	21.370	ug/l	99
10) Methyl Iodide	4.000	142	51867	22.004	ug/l	98
11) Tert butyl alcohol	4.854	59	17440	110.757	ug/l	100
12) 1,1-Dichloroethene	3.781	96	45043	21.305	ug/l	93
13) Acrolein	3.653	56	16689	150.833	ug/l	90
14) Allyl chloride	4.378	41	70483	20.630	ug/l	100
15) Acrylonitrile	5.055	53	54531	113.809	ug/l	97
16) Acetone	3.860	43	62206	131.109	ug/l	99
17) Carbon Disulfide	4.104	76	133379	20.131	ug/l	100
18) Methyl Acetate	4.378	43	25971	24.670	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	114604	21.387	ug/l	100
20) Methylene Chloride	4.610	84	52722	21.169	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	47703	20.148	ug/l	98
22) Diisopropyl ether	6.012	45	157492	21.390	ug/l	98
23) Vinyl Acetate	5.957	43	447652	106.530	ug/l	100
24) 1,1-Dichloroethane	5.909	63	91448	21.044	ug/l	99
25) 2-Butanone	6.896	43	78877	120.181	ug/l	100
26) 2,2-Dichloropropane	6.878	77	82324	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	56260	20.916	ug/l	98
28) Bromochloromethane	7.238	49	39935	21.920	ug/l	99
29) Tetrahydrofuran	7.256	42	45199	111.553	ug/l	99
30) Chloroform	7.414	83	97353	21.574	ug/l	92
31) Cyclohexane	7.695	56	78605	19.294	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	86126	20.845	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67500	20.444	ug/l	99
37) Ethyl Acetate	6.988	43	31780	21.778	ug/l	99
38) Carbon Tetrachloride	7.817	117	78099	20.568	ug/l	97
39) Methylcyclohexane	9.103	83	79572	19.648	ug/l	99
40) Benzene	8.079	78	203249	20.897	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	17550	22.087	ug/l	97
42) 1,2-Dichloroethane	8.158	62	59353	21.814	ug/l	100
43) Isopropyl Acetate	8.195	43	58991	20.824	ug/l #	89
44) Trichloroethene	8.865	130	51146	20.810	ug/l	97
45) 1,2-Dichloropropane	9.140	63	50348	21.750	ug/l	95
46) Dibromomethane	9.231	93	28214	21.906	ug/l	100
47) Bromodichloromethane	9.420	83	71979	21.044	ug/l	96
48) Methyl methacrylate	9.219	41	27850	21.409	ug/l	99
49) 1,4-Dioxane	9.225	88	5956	471.132	ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	161289	110.346	ug/l	100
52) Toluene	10.170	92	128907	21.023	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	64650	21.454	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	75356	21.062	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	36516	21.674	ug/l	98
56) Ethyl methacrylate	10.438	69	45607	21.225	ug/l	99
57) 1,3-Dichloropropane	10.719	76	62886	21.536	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	113643	114.571	ug/l	99
59) 2-Hexanone	10.761	43	113250	117.176	ug/l	98
60) Dibromochloromethane	10.908	129	50383	21.813	ug/l	99
61) 1,2-Dibromoethane	11.011	107	34516	21.707	ug/l	100
64) Tetrachloroethene	10.646	164	51084	21.731	ug/l	96
65) Chlorobenzene	11.438	112	139893	20.492	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	50679	20.997	ug/l	98
67) Ethyl Benzene	11.517	91	238455	19.900	ug/l	99
68) m/p-Xylenes	11.627	106	184445	40.545	ug/l	100
69) o-Xylene	11.956	106	84386	20.127	ug/l	99
70) Styrene	11.968	104	142938	20.551	ug/l	99
71) Bromoform	12.127	173	28730	21.294	ug/l	97
73) Isopropylbenzene	12.255	105	227543	19.152	ug/l	99
74) N-amyl acetate	12.072	43	50844	19.706	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42002	20.034	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	30015m	19.749	ug/l	
77) Bromobenzene	12.529	156	55801	20.076	ug/l	97
78) n-propylbenzene	12.596	91	280689	19.454	ug/l	99
79) 2-Chlorotoluene	12.682	91	161689	19.598	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	192316	19.919	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	12478	18.665	ug/l	98
82) 4-Chlorotoluene	12.779	91	168922	19.773	ug/l	100
83) tert-Butylbenzene	12.999	119	168838	19.603	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	190067	19.827	ug/l	99
85) sec-Butylbenzene	13.176	105	250973	19.584	ug/l	99
86) p-Isopropyltoluene	13.291	119	206101	19.522	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	111249	20.108	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	110455	20.414	ug/l	99
89) n-Butylbenzene	13.615	91	193943	19.894	ug/l	100
90) Hexachloroethane	13.883	117	43777	19.437	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	97785	20.621	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6592	20.990	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	54419	21.011	ug/l	98
94) Hexachlorobutadiene	15.023	225	35066	21.598	ug/l	99
95) Naphthalene	15.145	128	84955	21.408	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	46133	21.178	ug/l	100

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

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