

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021278.D
 Acq On : 21 Feb 2025 12:06
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 21 23:05:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	139622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	219087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	186030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	94993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	78017	54.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.080%			
35) Dibromofluoromethane	7.640	113	72274	51.475	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.960%			
50) Toluene-d8	10.115	98	269439	50.406	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.820%			
62) 4-Bromofluorobenzene	12.414	95	91929	52.642	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	34271	27.540	ug/l	99
3) Chloromethane	2.074	50	37179	30.277	ug/l	99
4) Vinyl Chloride	2.214	62	36377	29.432	ug/l	99
5) Bromomethane	2.605	94	21332	27.924	ug/l	91
6) Chloroethane	2.745	64	20792	28.259	ug/l	97
7) Trichlorofluoromethane	3.068	101	55786	24.774	ug/l	98
8) Diethyl Ether	3.458	74	15776	22.443	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.830	101	33096	23.418	ug/l	98
10) Methyl Iodide	4.019	142	35059	22.329	ug/l	93
11) Tert butyl alcohol	4.885	59	10928	112.728	ug/l #	88
12) 1,1-Dichloroethene	3.806	96	30519	22.925	ug/l	95
13) Acrolein	3.671	56	12555	84.105	ug/l	100
14) Allyl chloride	4.397	41	53321	23.765	ug/l	92
15) Acrylonitrile	5.074	53	35318	120.655	ug/l	98
16) Acetone	3.879	43	26782	120.051	ug/l	90
17) Carbon Disulfide	4.116	76	100550	24.087	ug/l	99
18) Methyl Acetate	4.403	43	18728	23.914	ug/l	94
19) Methyl tert-butyl Ether	5.128	73	76144	22.629	ug/l	99
20) Methylene Chloride	4.629	84	36196	26.099	ug/l	92
21) trans-1,2-Dichloroethene	5.135	96	33755	23.035	ug/l	96
22) Diisopropyl ether	6.031	45	113278	24.495	ug/l	96
23) Vinyl Acetate	5.970	43	314955	122.168	ug/l	97
24) 1,1-Dichloroethane	5.927	63	63967	23.608	ug/l	98
25) 2-Butanone	6.903	43	44342	120.956	ug/l	94
26) 2,2-Dichloropropane	6.896	77	55829	22.269	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	37994	22.525	ug/l	90
28) Bromochloromethane	7.256	49	22087	20.615	ug/l	91
29) Tetrahydrofuran	7.274	42	29880	120.453	ug/l	93
30) Chloroform	7.433	83	63572	22.842	ug/l	96
31) Cyclohexane	7.707	56	57180	23.435	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	58508	22.612	ug/l	98
36) 1,1-Dichloropropene	7.848	75	48137	23.147	ug/l	98
37) Ethyl Acetate	7.000	43	22301	24.444	ug/l	97
38) Carbon Tetrachloride	7.829	117	53883	22.174	ug/l	94
39) Methylcyclohexane	9.116	83	58732	23.088	ug/l	94
40) Benzene	8.091	78	141179	23.133	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	13008	24.645	ug/l	93
42) 1,2-Dichloroethane	8.165	62	39382	23.262	ug/l	97
43) Isopropyl Acetate	8.207	43	42938	23.686	ug/l	97
44) Trichloroethene	8.872	130	34475	21.864	ug/l	95
45) 1,2-Dichloropropane	9.146	63	33728	23.284	ug/l	96
46) Dibromomethane	9.238	93	17995	22.437	ug/l	96
47) Bromodichloromethane	9.433	83	48100	22.362	ug/l	98
48) Methyl methacrylate	9.231	41	19884	24.080	ug/l	90
49) 1,4-Dioxane	9.238	88	3269	437.831	ug/l	86
51) 4-Methyl-2-Pentanone	10.006	43	108248	118.745	ug/l	96
52) Toluene	10.176	92	86723	22.631	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	43488	22.516	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	52326	22.881	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	23439	22.568	ug/l	94
56) Ethyl methacrylate	10.445	69	30501	21.953	ug/l #	85
57) 1,3-Dichloropropane	10.725	76	41578	23.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	62684	94.832	ug/l	97
59) 2-Hexanone	10.768	43	70102	119.435	ug/l	92
60) Dibromochloromethane	10.920	129	31556	21.635	ug/l	99
61) 1,2-Dibromoethane	11.024	107	21698	22.304	ug/l	96
64) Tetrachloroethene	10.658	164	31433	22.761	ug/l	93
65) Chlorobenzene	11.451	112	90979	21.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	32398	22.009	ug/l	95
67) Ethyl Benzene	11.524	91	164059	22.392	ug/l	96
68) m/p-Xylenes	11.633	106	123250	44.967	ug/l	95
69) o-Xylene	11.963	106	57792	22.616	ug/l	97
70) Styrene	11.975	104	96245	22.598	ug/l	98
71) Bromoform	12.139	173	17757	21.671	ug/l #	97
73) Isopropylbenzene	12.261	105	153176	20.643	ug/l	99
74) N-amyl acetate	12.078	43	35292	21.754	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	26834	21.744	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	16565m	19.224	ug/l	
77) Bromobenzene	12.542	156	35205	20.559	ug/l	96
78) n-propylbenzene	12.603	91	189206	21.405	ug/l	99
79) 2-Chlorotoluene	12.688	91	107048	21.145	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	127061	21.120	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	8531	20.201	ug/l	91
82) 4-Chlorotoluene	12.786	91	110739	21.469	ug/l	99
83) tert-Butylbenzene	13.005	119	110980	20.295	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	125311	21.303	ug/l	99
85) sec-Butylbenzene	13.182	105	167521	21.282	ug/l	99
86) p-Isopropyltoluene	13.298	119	137365	21.008	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	69587	21.047	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	67849	20.842	ug/l	99
89) n-Butylbenzene	13.627	91	127862	21.435	ug/l	98
90) Hexachloroethane	13.889	117	28758	21.082	ug/l	88
91) 1,2-Dichlorobenzene	13.670	146	59206	20.631	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3912	21.213	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	32511	20.353	ug/l	99
94) Hexachlorobutadiene	15.029	225	21525	20.335	ug/l	99
95) Naphthalene	15.151	128	51537	20.167	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	26859	20.205	ug/l	97

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

