

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021394.D
 Acq On : 28 Feb 2025 20:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 22:25:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	191604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	317108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120757	55.557	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.120%			
35) Dibromofluoromethane	7.634	113	113211	54.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.900%			
50) Toluene-d8	10.103	98	426333	53.061	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.407	95	146096	54.029	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	82811	45.585	ug/l	98
3) Chloromethane	2.068	50	138847	59.182	ug/l	99
4) Vinyl Chloride	2.202	62	148397	64.443	ug/l	97
5) Bromomethane	2.592	94	101775	66.509	ug/l	98
6) Chloroethane	2.732	64	101805	71.292	ug/l	100
7) Trichlorofluoromethane	3.055	101	184165	52.956	ug/l	94
8) Diethyl Ether	3.452	74	57220	54.819	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.811	101	99452	49.394	ug/l	99
10) Methyl Iodide	4.007	142	119978	56.639	ug/l	99
11) Tert butyl alcohol	4.860	59	34470	206.175	ug/l	98
12) 1,1-Dichloroethene	3.787	96	97465	50.555	ug/l	98
13) Acrolein	3.647	56	4519	35.272	ug/l	97
14) Allyl chloride	4.385	41	165497	48.418	ug/l	98
15) Acrylonitrile	5.061	53	125193	271.276	ug/l	99
16) Acetone	3.866	43	95432	228.885	ug/l	96
17) Carbon Disulfide	4.104	76	327715	51.192	ug/l	99
18) Methyl Acetate	4.385	43	58063	56.983	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	273315	53.658	ug/l	99
20) Methylene Chloride	4.616	84	120289	53.352	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	116514	54.899	ug/l	95
22) Diisopropyl ether	6.018	45	390892	55.264	ug/l	98
23) Vinyl Acetate	5.957	43	1116342	264.114	ug/l	99
24) 1,1-Dichloroethane	5.915	63	219404	55.035	ug/l	99
25) 2-Butanone	6.890	43	156353	248.469	ug/l	94
26) 2,2-Dichloropropane	6.884	77	143154	39.574	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	135918	56.083	ug/l	94
28) Bromochloromethane	7.244	49	91822	52.054	ug/l	99
29) Tetrahydrofuran	7.262	42	110172	267.851	ug/l	99
30) Chloroform	7.421	83	229677	56.856	ug/l	97
31) Cyclohexane	7.701	56	176077	45.947	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	195061	53.050	ug/l	98
36) 1,1-Dichloropropene	7.835	75	155081	49.660	ug/l	100
37) Ethyl Acetate	6.982	43	76792	49.435	ug/l	99
38) Carbon Tetrachloride	7.817	117	172889	49.245	ug/l	97
39) Methylcyclohexane	9.109	83	179781	45.516	ug/l	98
40) Benzene	8.079	78	492805	53.383	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	39970m	46.021	ug/l	
42) 1,2-Dichloroethane	8.158	62	141256	53.933	ug/l	99
43) Isopropyl Acetate	8.195	43	147609	49.093	ug/l	98
44) Trichloroethene	8.865	130	117497	50.838	ug/l	97
45) 1,2-Dichloropropane	9.140	63	118031	53.129	ug/l	98
46) Dibromomethane	9.231	93	67603	55.670	ug/l	98
47) Bromodichloromethane	9.420	83	177110	54.699	ug/l	99
48) Methyl methacrylate	9.219	41	68657	48.830	ug/l	92
49) 1,4-Dioxane	9.225	88	13976	1035.060	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	396229	257.437	ug/l	99
52) Toluene	10.170	92	310182	54.087	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	145797	49.147	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	173470	49.533	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	87784	55.490	ug/l	99
56) Ethyl methacrylate	10.438	69	117064	53.554	ug/l	97
57) 1,3-Dichloropropane	10.719	76	154488	55.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	258376	246.261	ug/l	100
59) 2-Hexanone	10.761	43	262577	259.766	ug/l	97
60) Dibromochloromethane	10.908	129	118305	54.909	ug/l	98
61) 1,2-Dibromoethane	11.011	107	83124	55.501	ug/l	99
64) Tetrachloroethene	10.646	164	109908	49.942	ug/l	98
65) Chlorobenzene	11.438	112	335274	51.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	118539	51.797	ug/l	99
67) Ethyl Benzene	11.517	91	588147	50.804	ug/l	100
68) m/p-Xylenes	11.627	106	451530	103.694	ug/l	99
69) o-Xylene	11.956	106	214309	52.536	ug/l	99
70) Styrene	11.969	104	364990	53.776	ug/l	100
71) Bromoform	12.133	173	67441	51.512	ug/l #	99
73) Isopropylbenzene	12.255	105	546761	48.836	ug/l	100
74) N-amyl acetate	12.072	43	133839	47.031	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	101333	51.284	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	73689m	49.434	ug/l	
77) Bromobenzene	12.529	156	131969	50.677	ug/l	99
78) n-propylbenzene	12.596	91	673854	49.599	ug/l	100
79) 2-Chlorotoluene	12.682	91	391087	50.158	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	460201	50.117	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27006	40.268	ug/l	95
82) 4-Chlorotoluene	12.779	91	405427	50.161	ug/l	100
83) tert-Butylbenzene	12.999	119	406370	48.992	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	463737	50.779	ug/l	100
85) sec-Butylbenzene	13.176	105	588438	48.567	ug/l	100
86) p-Isopropyltoluene	13.291	119	489393	48.374	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	261031	50.673	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	256010	50.308	ug/l	100
89) n-Butylbenzene	13.621	91	445383	46.782	ug/l	99
90) Hexachloroethane	13.883	117	105196	49.780	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	231661	51.330	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15198	48.622	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	127543	46.302	ug/l	98
94) Hexachlorobutadiene	15.023	225	74774	43.118	ug/l	99
95) Naphthalene	15.145	128	220957	48.428	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	110845	47.627	ug/l	98

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

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