

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021162.D
 Acq On : 10 Feb 2025 18:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025

Quant Time: Feb 11 00:33:15 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	7.707	168	122422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	199291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	182819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	95682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	74739	59.586	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.180%			
35) Dibromofluoromethane	7.634	113	69290	54.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.500%			
50) Toluene-d8	10.109	98	257166	52.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.407	95	90992	57.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48469	44.421	ug/l	98
3) Chloromethane	2.068	50	47940	44.525	ug/l	99
4) Vinyl Chloride	2.208	62	46795	43.180	ug/l	99
5) Bromomethane	2.598	94	29307	43.754	ug/l	96
6) Chloroethane	2.738	64	28860	44.736	ug/l	96
7) Trichlorofluoromethane	3.062	101	85010	43.057	ug/l	95
8) Diethyl Ether	3.452	74	31711	51.450	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	53432	43.120	ug/l	95
10) Methyl Iodide	4.007	142	65266	47.409	ug/l	90
11) Tert butyl alcohol	4.872	59	21180	249.179	ug/l	97
12) 1,1-Dichloroethene	3.793	96	52833	45.262	ug/l	92
13) Acrolein	3.653	56	24168	184.646	ug/l	98
14) Allyl chloride	4.385	41	95143	48.363	ug/l	95
15) Acrylonitrile	5.061	53	71314	277.854	ug/l	98
16) Acetone	3.872	43	54317	277.684	ug/l	95
17) Carbon Disulfide	4.110	76	165028	45.087	ug/l	97
18) Methyl Acetate	4.385	43	39720	57.845	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	160180	54.293	ug/l	99
20) Methylene Chloride	4.622	84	61594	50.653	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	61617	47.956	ug/l	93
22) Diisopropyl ether	6.024	45	214442	52.884	ug/l	99
23) Vinyl Acetate	5.963	43	620480	274.492	ug/l	98
24) 1,1-Dichloroethane	5.921	63	119492	50.297	ug/l	98
25) 2-Butanone	6.896	43	91172	283.640	ug/l	93
26) 2,2-Dichloropropane	6.890	77	87900	39.987	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	74451	50.341	ug/l	95
28) Bromochloromethane	7.244	49	51100	54.395	ug/l	99
29) Tetrahydrofuran	7.262	42	63625	292.524	ug/l	94
30) Chloroform	7.421	83	126203	51.717	ug/l	99
31) Cyclohexane	7.701	56	89837	41.992	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	109255	48.156	ug/l	99
36) 1,1-Dichloropropene	7.841	75	83007	43.878	ug/l	98
37) Ethyl Acetate	6.988	43	44988	54.210	ug/l	97
38) Carbon Tetrachloride	7.823	117	98717	44.660	ug/l	96
39) Methylcyclohexane	9.109	83	96628	41.759	ug/l	99
40) Benzene	8.085	78	263771	47.513	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	25229	52.547	ug/l	93
42) 1,2-Dichloroethane	8.158	62	78136	50.737	ug/l	96
43) Isopropyl Acetate	8.201	43	88894	53.908	ug/l #	84
44) Trichloroethene	8.865	130	64815	45.189	ug/l	93
45) 1,2-Dichloropropane	9.146	63	64330	48.821	ug/l	100
46) Dibromomethane	9.231	93	37421	51.292	ug/l	97
47) Bromodichloromethane	9.426	83	96987	49.568	ug/l	99
48) Methyl methacrylate	9.219	41	41772	55.612	ug/l	91
49) 1,4-Dioxane	9.225	88	7980	1174.960	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	229870	277.208	ug/l	97
52) Toluene	10.170	92	167918	48.171	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	87026	49.533	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	101196	48.646	ug/l	93
55) 1,1,2-Trichloroethane	10.572	97	47692	50.481	ug/l	99
56) Ethyl methacrylate	10.438	69	69392	54.905	ug/l	91
57) 1,3-Dichloropropane	10.719	76	85501	52.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	162448	270.173	ug/l	100
59) 2-Hexanone	10.761	43	153296	287.119	ug/l	96
60) Dibromochloromethane	10.914	129	65717	49.532	ug/l	100
61) 1,2-Dibromoethane	11.017	107	45155	51.027	ug/l	99
64) Tetrachloroethene	10.646	164	56942	41.957	ug/l	98
65) Chlorobenzene	11.444	112	185810	45.645	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	67095	46.380	ug/l	97
67) Ethyl Benzene	11.523	91	323443	44.922	ug/l	99
68) m/p-Xylenes	11.633	106	241966	89.831	ug/l	96
69) o-Xylene	11.956	106	116170	46.259	ug/l	96
70) Styrene	11.969	104	199778	47.730	ug/l	97
71) Bromoform	12.133	173	40356	50.117	ug/l #	98
73) Isopropylbenzene	12.255	105	303101	40.553	ug/l	99
74) N-amyl acetate	12.072	43	79592	48.708	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	56019	45.066	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	36346m	41.876	ug/l	
77) Bromobenzene	12.536	156	73214	42.449	ug/l	95
78) n-propylbenzene	12.596	91	366130	41.122	ug/l	99
79) 2-Chlorotoluene	12.682	91	212322	41.637	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	254420	41.985	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	17253	40.560	ug/l	92
82) 4-Chlorotoluene	12.779	91	218759	42.105	ug/l	99
83) tert-Butylbenzene	12.999	119	224335	40.729	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	257511	43.461	ug/l	100
85) sec-Butylbenzene	13.176	105	320855	40.468	ug/l	99
86) p-Isopropyltoluene	13.291	119	272467	41.369	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	143162	42.988	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	139479	42.536	ug/l	98
89) n-Butylbenzene	13.621	91	247997	41.275	ug/l	99
90) Hexachloroethane	13.883	117	57439	41.804	ug/l	86
91) 1,2-Dichlorobenzene	13.663	146	127061	43.958	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	8947	48.166	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	73839	45.893	ug/l	99
94) Hexachlorobutadiene	15.029	225	44156	41.414	ug/l	100
95) Naphthalene	15.145	128	133147	51.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	64463	48.144	ug/l	98

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

