

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007866.D
 Acq On : 11 Mar 2022 19:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 11 23:25:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	199482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	316781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	300013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113959	54.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.140%			
35) Dibromofluoromethane	7.716	113	112490	55.543	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.080%			
50) Toluene-d8	10.179	98	391324	52.490	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.477	95	133499	55.552	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59759	45.367	ug/l	95
3) Chloromethane	2.113	50	104014	50.888	ug/l	100
4) Vinyl Chloride	2.253	62	140335	46.893	ug/l	98
5) Bromomethane	2.650	94	137068	56.670	ug/l	99
6) Chloroethane	2.790	64	113066	49.266	ug/l	96
7) Trichlorofluoromethane	3.125	101	169729	49.639	ug/l	91
8) Diethyl Ether	3.528	74	58563	53.228	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	105334	50.466	ug/l	95
10) Methyl Iodide	4.088	142	82896	32.643	ug/l	95
11) Tert butyl alcohol	4.960	59	47859	264.692	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	87087	47.013	ug/l	89
13) Acrolein	3.729	56	38339	249.385	ug/l	100
14) Allyl chloride	4.479	41	146580	52.608	ug/l #	93
15) Acrylonitrile	5.161	53	170170	293.017	ug/l	99
16) Acetone	3.948	43	124711	293.550	ug/l	91
17) Carbon Disulfide	4.192	76	203669	45.113	ug/l	100
18) Methyl Acetate	4.472	43	72262	59.165	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	308816	53.714	ug/l	96
20) Methylene Chloride	4.716	84	125540	62.646	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	106971	49.490	ug/l	94
22) Diisopropyl ether	6.125	45	391765	58.857	ug/l	93
23) Vinyl Acetate	6.058	43	1266221	300.814	ug/l	95
24) 1,1-Dichloroethane	6.015	63	217385	54.052	ug/l	97
25) 2-Butanone	6.990	43	215873	302.905	ug/l	92
26) 2,2-Dichloropropane	6.978	77	181853	50.810	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	134943	53.242	ug/l	90
28) Bromochloromethane	7.332	49	103507	60.517	ug/l	95
29) Tetrahydrofuran	7.350	42	143150	293.558	ug/l	90
30) Chloroform	7.502	83	234002	56.161	ug/l	96
31) Cyclohexane	7.783	56	168799	52.672	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	199917	53.912	ug/l	99
36) 1,1-Dichloropropene	7.917	75	161750	50.769	ug/l	100
37) Ethyl Acetate	7.070	43	100289	56.993	ug/l	98
38) Carbon Tetrachloride	7.899	117	176813	52.026	ug/l	99
39) Methylcyclohexane	9.179	83	185336	47.334	ug/l	90
40) Benzene	8.161	78	469580	52.960	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	53323m	63.412	ug/l	
42) 1,2-Dichloroethane	8.234	62	156980	56.739	ug/l	94
43) Isopropyl Acetate	8.271	43	186350	57.264	ug/l	96
44) Trichloroethene	8.935	130	122315	49.671	ug/l	99
45) 1,2-Dichloropropane	9.216	63	131314	57.269	ug/l	100
46) Dibromomethane	9.301	93	78523	57.051	ug/l	94
47) Bromodichloromethane	9.496	83	189828	58.803	ug/l	100
48) Methyl methacrylate	9.295	41	81511	57.786	ug/l	86
49) 1,4-Dioxane	9.295	88	19348	1164.395	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	537210	308.526	ug/l	95
52) Toluene	10.240	92	307075	53.562	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	185796	56.057	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	200448	54.740	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	108864	58.140	ug/l	99
56) Ethyl methacrylate	10.508	69	139037	55.929	ug/l	88
57) 1,3-Dichloropropane	10.788	76	180396	56.973	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	402262	296.712	ug/l	99
59) 2-Hexanone	10.831	43	368553	314.310	ug/l	93
60) Dibromochloromethane	10.983	129	130634	58.591	ug/l	100
61) 1,2-Dibromoethane	11.087	107	99246	55.608	ug/l	99
64) Tetrachloroethene	10.715	164	103764	46.660	ug/l	97
65) Chlorobenzene	11.514	112	340605	52.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	132719	54.298	ug/l	96
67) Ethyl Benzene	11.593	91	608825	51.651	ug/l	99
68) m/p-Xylenes	11.703	106	472587	104.492	ug/l	93
69) o-Xylene	12.026	106	226980	52.960	ug/l	93
70) Styrene	12.044	104	399806	55.712	ug/l	95
71) Bromoform	12.203	173	86906	57.103	ug/l #	99
73) Isopropylbenzene	12.331	105	616948	48.561	ug/l	99
74) N-amyl acetate	12.142	43	174028	51.458	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	141916	53.260	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	96027m	52.727	ug/l	
77) Bromobenzene	12.605	156	142843	48.813	ug/l	97
78) n-propylbenzene	12.666	91	769557	50.198	ug/l	99
79) 2-Chlorotoluene	12.758	91	405040	49.374	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	499079	49.128	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	43812	49.181	ug/l	92
82) 4-Chlorotoluene	12.855	91	431838	51.177	ug/l	97
83) tert-Butylbenzene	13.075	119	472143	50.528	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	509646	50.932	ug/l	98
85) sec-Butylbenzene	13.251	105	699620	50.614	ug/l	99
86) p-Isopropyltoluene	13.367	119	584172	51.169	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	296413	50.902	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	295668	51.445	ug/l	97
89) n-Butylbenzene	13.696	91	542206	50.250	ug/l	100
90) Hexachloroethane	13.959	117	111651	51.593	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	268261	51.881	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20255	50.194	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	148989	45.513	ug/l	99
94) Hexachlorobutadiene	15.111	225	88413	45.682	ug/l	98
95) Naphthalene	15.233	128	319144	47.924	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	137027	46.967	ug/l	99

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

