

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012822\
 Data File : VY007336.D
 Acq On : 28 Jan 2022 21:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 4.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2022
 Supervised By : Mahesh Dadoda 01/31/2022

Quant Time: Jan 31 00:32:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	117324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	199710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	177882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	69428	48.228	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.460%		
35) Dibromofluoromethane	7.716	113	65776	48.708	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.420%		
50) Toluene-d8	10.179	98	233048	47.230	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.460%		
62) 4-Bromofluorobenzene	12.483	95	84822	48.326	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	21092	51.271	ug/l	99
3) Chloromethane	2.113	50	35888	41.599	ug/l	100
4) Vinyl Chloride	2.260	62	59296	47.225	ug/l	98
5) Bromomethane	2.662	94	42688	52.504	ug/l	96
6) Chloroethane	2.802	64	41487	52.956	ug/l	93
7) Trichlorofluoromethane	3.131	101	75856	56.057	ug/l	98
8) Diethyl Ether	3.528	74	39573	53.107	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	66892	50.737	ug/l	98
10) Methyl Iodide	4.088	142	98165	50.341	ug/l	97
11) Tert butyl alcohol	4.954	59	34184	279.048	ug/l	99
12) 1,1-Dichloroethene	3.875	96	64131	48.306	ug/l	99
13) Acrolein	3.729	56	5456	180.479	ug/l	97
14) Allyl chloride	4.479	41	96450	45.309	ug/l	91
15) Acrylonitrile	5.161	53	104594	292.061	ug/l	100
16) Acetone	3.942	43	86597	231.786	ug/l	99
17) Carbon Disulfide	4.198	76	159298	43.208	ug/l	98
18) Methyl Acetate	4.473	43	71371	53.688	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	138634	53.043	ug/l	99
20) Methylene Chloride	4.716	84	74708	48.358	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	71850	49.921	ug/l	97
22) Diisopropyl ether	6.119	45	218418	50.647	ug/l	98
23) Vinyl Acetate	6.058	43	669680	264.055	ug/l	99
24) 1,1-Dichloroethane	6.021	63	136192	51.915	ug/l	99
25) 2-Butanone	6.984	43	131140	271.490	ug/l	98
26) 2,2-Dichloropropane	6.984	77	94685	49.525	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	86887	53.218	ug/l	99
28) Bromochloromethane	7.332	49	51351	54.115	ug/l	99
29) Tetrahydrofuran	7.344	42	87233	280.937	ug/l	99
30) Chloroform	7.509	83	146434	53.723	ug/l	95
31) Cyclohexane	7.789	56	108168	44.444	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	123748	53.116	ug/l	98
36) 1,1-Dichloropropene	7.917	75	107541	49.862	ug/l	100
37) Ethyl Acetate	7.076	43	60552	54.707	ug/l	98
38) Carbon Tetrachloride	7.899	117	116383	51.302	ug/l	95
39) Methylcyclohexane	9.185	83	126301	47.962	ug/l	98
40) Benzene	8.161	78	300928	52.307	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	32294m	50.665	ug/l	
42) 1,2-Dichloroethane	8.240	62	97167	53.634	ug/l	99
43) Isopropyl Acetate	8.271	43	118516	55.029	ug/l	98
44) Trichloroethene	8.941	130	80835	51.923	ug/l	95
45) 1,2-Dichloropropane	9.216	63	76148	52.049	ug/l	95
46) Dibromomethane	9.307	93	46454	53.695	ug/l	98
47) Bromodichloromethane	9.496	83	115019	54.079	ug/l	99
48) Methyl methacrylate	9.295	41	52187	53.274	ug/l	95
49) 1,4-Dioxane	9.295	88	12158	1303.355	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	312127	285.824	ug/l	97
52) Toluene	10.246	92	191186	52.427	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	117418	52.299	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	129827	51.659	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	64353	54.839	ug/l	98
56) Ethyl methacrylate	10.508	69	90907	54.988	ug/l	98
57) 1,3-Dichloropropane	10.788	76	111052	54.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	166671	221.713	ug/l	100
59) 2-Hexanone	10.831	43	214770	289.794	ug/l	97
60) Dibromochloromethane	10.984	129	79194	54.898	ug/l	100
61) 1,2-Dibromoethane	11.087	107	63657	55.216	ug/l	96
64) Tetrachloroethene	10.721	164	65971	51.453	ug/l	94
65) Chlorobenzene	11.514	112	206812	53.172	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	78213	54.246	ug/l	100
67) Ethyl Benzene	11.593	91	386928	52.929	ug/l	98
68) m/p-Xylenes	11.703	106	285046	104.926	ug/l	99
69) o-Xylene	12.032	106	136510	53.359	ug/l	100
70) Styrene	12.044	104	234884	54.424	ug/l	100
71) Bromoform	12.209	173	47745	57.249	ug/l #	95
73) Isopropylbenzene	12.331	105	366663	51.686	ug/l	99
74) N-amyl acetate	12.142	43	101555	53.535	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	75089	54.434	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	55358m	59.109	ug/l	
77) Bromobenzene	12.611	156	79145	51.273	ug/l	98
78) n-propylbenzene	12.672	91	443713	50.456	ug/l	100
79) 2-Chlorotoluene	12.758	91	249231	50.973	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	295680	50.763	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	27383	53.527	ug/l #	100
82) 4-Chlorotoluene	12.855	91	259452	50.869	ug/l	100
83) tert-Butylbenzene	13.075	119	264987	52.650	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	292655	50.689	ug/l	99
85) sec-Butylbenzene	13.251	105	386027	51.268	ug/l	100
86) p-Isopropyltoluene	13.367	119	314092	50.761	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	156403	51.766	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	154523	50.862	ug/l	99
89) n-Butylbenzene	13.696	91	305594	50.158	ug/l	99
90) Hexachloroethane	13.959	117	62444	51.619	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	136706	50.853	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12833	53.864	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	80010	48.943	ug/l	98
94) Hexachlorobutadiene	15.111	225	41281	48.997	ug/l	98
95) Naphthalene	15.233	128	186381	53.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	68809	49.336	ug/l	98

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

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