

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007095.D
 Acq On : 08 Jan 2022 21:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 10 03:44:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/10/2022
 Supervised By :Mahesh Dadoda 01/10/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	284907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	499695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	430493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	163391	47.937	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.880%		
35) Dibromofluoromethane	7.722	113	158785	47.678	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.360%		
50) Toluene-d8	10.185	98	596045	48.453	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.900%		
62) 4-Bromofluorobenzene	12.483	95	200949	45.293	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	30420	30.901	ug/l	99
3) Chloromethane	2.119	50	55023	26.684	ug/l	98
4) Vinyl Chloride	2.260	62	84435	28.205	ug/l	99
5) Bromomethane	2.668	94	57709	29.016	ug/l	94
6) Chloroethane	2.808	64	53431	29.132	ug/l	99
7) Trichlorofluoromethane	3.137	101	101122	27.587	ug/l	98
8) Diethyl Ether	3.534	74	43962	24.556	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	85449	27.125	ug/l	98
10) Methyl Iodide	4.095	142	131544	26.970	ug/l	99
11) Tert butyl alcohol	4.954	59	27121	99.800	ug/l	98
12) 1,1-Dichloroethene	3.881	96	86991	26.710	ug/l	97
13) Acrolein	3.735	56	7390	76.309	ug/l	90
14) Allyl chloride	4.491	41	136894	27.664	ug/l	98
15) Acrylonitrile	5.168	53	87556	106.516	ug/l	97
16) Acetone	3.948	43	68215	106.672	ug/l	99
17) Carbon Disulfide	4.198	76	256827	27.526	ug/l	99
18) Methyl Acetate	4.485	43	60692	20.690	ug/l	97
19) Methyl tert-butyl Ether	5.229	73	157245	24.292	ug/l	99
20) Methylene Chloride	4.723	84	90263	24.846	ug/l	96
21) trans-1,2-Dichloroethene	5.229	96	93214	26.534	ug/l	95
22) Diisopropyl ether	6.125	45	272489	27.075	ug/l	99
23) Vinyl Acetate	6.070	43	716216	122.889	ug/l	99
24) 1,1-Dichloroethane	6.027	63	168944	27.516	ug/l	99
25) 2-Butanone	6.990	43	107251	108.543	ug/l	97
26) 2,2-Dichloropropane	6.990	77	124864	26.209	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	104393	26.396	ug/l	97
28) Bromochloromethane	7.344	49	64334	28.069	ug/l	95
29) Tetrahydrofuran	7.356	42	76551	108.167	ug/l	99
30) Chloroform	7.515	83	173593	26.852	ug/l	100
31) Cyclohexane	7.795	56	157468	26.842	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	155422	27.645	ug/l	99
36) 1,1-Dichloropropene	7.923	75	138848	26.311	ug/l	99
37) Ethyl Acetate	7.082	43	54595	21.139	ug/l	96
38) Carbon Tetrachloride	7.905	117	143937	26.104	ug/l	98
39) Methylcyclohexane	9.191	83	170542	25.840	ug/l	98
40) Benzene	8.167	78	368640	25.946	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	29080m	19.805	ug/l	
42) 1,2-Dichloroethane	8.246	62	104207	24.022	ug/l	99
43) Isopropyl Acetate	8.277	43	110421	22.033	ug/l	99
44) Trichloroethene	8.941	130	100901	25.666	ug/l	97
45) 1,2-Dichloropropane	9.222	63	88113	25.049	ug/l	99
46) Dibromomethane	9.307	93	47159	22.486	ug/l	98
47) Bromodichloromethane	9.502	83	129338	24.690	ug/l	98
48) Methyl methacrylate	9.295	41	51503	22.796	ug/l	98
49) 1,4-Dioxane	9.301	88	8854	414.289	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	268199	108.641	ug/l	97
52) Toluene	10.246	92	231790	25.626	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	128810	23.531	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	149142	24.157	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	63613	22.325	ug/l	98
56) Ethyl methacrylate	10.514	69	88012	21.989	ug/l	97
57) 1,3-Dichloropropane	10.795	76	114293	22.859	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	189246	103.586	ug/l	99
59) 2-Hexanone	10.837	43	170545	106.489	ug/l	98
60) Dibromochloromethane	10.990	129	79749	22.431	ug/l	99
61) 1,2-Dibromoethane	11.093	107	61760	21.665	ug/l	98
64) Tetrachloroethene	10.721	164	81247	26.453	ug/l	98
65) Chlorobenzene	11.520	112	236506	25.530	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	84295	24.575	ug/l	100
67) Ethyl Benzene	11.599	91	449816	25.850	ug/l	99
68) m/p-Xylenes	11.709	106	335284	51.515	ug/l	100
69) o-Xylene	12.032	106	154877	25.403	ug/l	99
70) Styrene	12.051	104	260981	25.334	ug/l	99
71) Bromoform	12.209	173	42967	21.873	ug/l #	99
73) Isopropylbenzene	12.337	105	415407	28.434	ug/l	100
74) N-amyl acetate	12.148	43	90789	24.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	66407	23.835	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	46316m	23.636	ug/l	
77) Bromobenzene	12.611	156	85704	26.565	ug/l	100
78) n-propylbenzene	12.672	91	504197	28.250	ug/l	100
79) 2-Chlorotoluene	12.758	91	284124	27.983	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	331219	27.561	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	23454	22.481	ug/l #	100
82) 4-Chlorotoluene	12.855	91	288319	27.503	ug/l	99
83) tert-Butylbenzene	13.081	119	291952	27.585	ug/l	98
84) 1,2,4-Trimethylbenzene	13.124	105	319583	27.055	ug/l	99
85) sec-Butylbenzene	13.258	105	418885	27.160	ug/l	100
86) p-Isopropyltoluene	13.373	119	337305	26.715	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	162245	26.058	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	157922	25.474	ug/l	99
89) n-Butylbenzene	13.703	91	318627	25.873	ug/l	100
90) Hexachloroethane	13.965	117	65897	26.336	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	137570	25.163	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9795	21.111	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	71653	22.090	ug/l	99
94) Hexachlorobutadiene	15.111	225	37589	22.510	ug/l	99
95) Naphthalene	15.239	128	138098	20.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	57202	20.907	ug/l	98

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

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