

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007073.D
 Acq On : 08 Jan 2022 12:25
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 10 03:01:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 02:57:38 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	160311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	268540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	236238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	171163	93.176	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 186.360%#			
35) Dibromofluoromethane	7.721	113	165708	96.427	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.184	98	609604	95.604	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 191.200%#			
62) 4-Bromofluorobenzene	12.483	95	211343	88.615	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 177.240%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	61029	114.262	ug/l	94
3) Chloromethane	2.119	50	111347	90.830	ug/l	97
4) Vinyl Chloride	2.265	62	165118	107.902	ug/l	99
5) Bromomethane	2.661	94	111197	107.594	ug/l	98
6) Chloroethane	2.802	64	103154	108.770	ug/l	97
7) Trichlorofluoromethane	3.131	101	210160	111.252	ug/l	98
8) Diethyl Ether	3.533	74	95712	93.090	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.911	101	172230	94.271	ug/l	100
10) Methyl Iodide	4.094	142	267246	93.807	ug/l	100
11) Tert butyl alcohol	4.960	59	67021	405.725	ug/l	100
12) 1,1-Dichloroethene	3.881	96	179445	94.566	ug/l	95
13) Acrolein	3.734	56	20725	409.236	ug/l	99
14) Allyl chloride	4.484	41	269284	93.367	ug/l	99
15) Acrylonitrile	5.167	53	218904	438.295	ug/l	100
16) Acetone	3.948	43	168190	418.722	ug/l	95
17) Carbon Disulfide	4.198	76	510974	92.092	ug/l	100
18) Methyl Acetate	4.478	43	144696	84.398	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	327226	91.130	ug/l	98
20) Methylene Chloride	4.722	84	184246	50.746	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	187695	93.207	ug/l	99
22) Diisopropyl ether	6.124	45	532136	93.760	ug/l	98
23) Vinyl Acetate	6.063	43	1589153	461.770	ug/l	99
24) 1,1-Dichloroethane	6.027	63	333131	95.701	ug/l	99
25) 2-Butanone	6.990	43	254360	437.102	ug/l	100
26) 2,2-Dichloropropane	6.990	77	243130	91.217	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	213182	94.468	ug/l	99
28) Bromochloromethane	7.337	49	131163	103.705	ug/l	99
29) Tetrahydrofuran	7.350	42	182533	426.980	ug/l	99
30) Chloroform	7.514	83	346505	95.233	ug/l	97
31) Cyclohexane	7.795	56	301339	87.498	ug/l	99
32) 1,1,1-Trichloroethane	7.709	97	304349	94.231	ug/l	100
36) 1,1-Dichloropropene	7.923	75	276523	95.980	ug/l	99
37) Ethyl Acetate	7.081	43	130454	89.651	ug/l	99
38) Carbon Tetrachloride	7.910	117	290080	96.439	ug/l	99
39) Methylcyclohexane	9.185	83	347600	92.759	ug/l	98
40) Benzene	8.167	78	738835	94.618	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	80683m	100.361	ug/l	
42) 1,2-Dichloroethane	8.240	62	222812	93.760	ug/l	100
43) Isopropyl Acetate	8.276	43	257654	91.612	ug/l	100
44) Trichloroethene	8.947	130	205698	94.537	ug/l	99
45) 1,2-Dichloropropane	9.221	63	184442	96.860	ug/l	94
46) Dibromomethane	9.307	93	106345	92.323	ug/l	99
47) Bromodichloromethane	9.502	83	272516	96.853	ug/l	100
48) Methyl methacrylate	9.294	41	119180	90.278	ug/l	99
49) 1,4-Dioxane	9.307	88	22394	1927.756	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	633135	454.939	ug/l	99
52) Toluene	10.245	92	472848	94.382	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	284711	94.196	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	321428	95.489	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	146084	92.416	ug/l	98
56) Ethyl methacrylate	10.514	69	208865	92.474	ug/l	99
57) 1,3-Dichloropropane	10.794	76	257415	94.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	445761	447.586	ug/l	100
59) 2-Hexanone	10.837	43	407447	449.437	ug/l	99
60) Dibromochloromethane	10.989	129	183531	94.622	ug/l	100
61) 1,2-Dibromoethane	11.093	107	145495	91.928	ug/l	100
64) Tetrachloroethene	10.721	164	162966	93.250	ug/l	97
65) Chlorobenzene	11.520	112	493011	94.123	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	183391	97.324	ug/l	100
67) Ethyl Benzene	11.599	91	931722	95.913	ug/l	98
68) m/p-Xylenes	11.709	106	698807	189.664	ug/l	99
69) o-Xylene	12.032	106	323966	93.646	ug/l	100
70) Styrene	12.050	104	556174	94.688	ug/l	99
71) Bromoform	12.209	173	105112	93.473	ug/l #	99
73) Isopropylbenzene	12.330	105	866511	97.407	ug/l	100
74) N-amyl acetate	12.148	43	218230	94.698	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.586	83	158942	94.074	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	113434m	91.187	ug/l	
77) Bromobenzene	12.611	156	187993	97.226	ug/l	100
78) n-propylbenzene	12.672	91	1056673	97.504	ug/l	99
79) 2-Chlorotoluene	12.757	91	595965	96.663	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	705027	95.905	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	60667	89.157	ug/l #	99
82) 4-Chlorotoluene	12.855	91	615864	95.974	ug/l	100
83) tert-Butylbenzene	13.080	119	619369	95.568	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	690567	95.473	ug/l	99
85) sec-Butylbenzene	13.257	105	905815	95.986	ug/l	100
86) p-Isopropyltoluene	13.373	119	745143	96.101	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	363637	96.687	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	361349	96.327	ug/l	99
89) n-Butylbenzene	13.696	91	727222	97.028	ug/l	100
90) Hexachloroethane	13.964	117	148447	96.169	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	319980	96.354	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26997	86.062	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	194321	96.474	ug/l	99
94) Hexachlorobutadiene	15.117	225	98064	93.457	ug/l	98
95) Naphthalene	15.238	128	412865	92.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	163321	94.227	ug/l	99

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

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