

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026811.D
 Acq On : 08 Feb 2022 10:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/09/2022
 Supervised By : Mahesh Dadoda 02/09/2022

Quant Time: Feb 09 02:59:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	102440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	163948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63684	51.789	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.580%			
35) Dibromofluoromethane	5.385	113	51670	52.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	8.647	98	191049	53.285	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.560%			
62) 4-Bromofluorobenzene	11.079	95	68094	53.944	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	56413	50.645	ug/l	100
3) Chloromethane	1.294	50	51075	49.289	ug/l	99
4) Vinyl Chloride	1.380	62	54410	50.160	ug/l	100
5) Bromomethane	1.618	94	24005	52.151	ug/l	96
6) Chloroethane	1.691	64	30765	52.341	ug/l	95
7) Trichlorofluoromethane	1.892	101	78558	49.213	ug/l	99
8) Diethyl Ether	2.136	74	29128	49.259	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	53418	51.052	ug/l	97
10) Methyl Iodide	2.459	142	67176	46.455	ug/l	97
11) Tert butyl alcohol	2.983	59	54540	245.512	ug/l	97
12) 1,1-Dichloroethene	2.325	96	50484	48.154	ug/l	91
13) Acrolein	2.239	56	56651	275.951	ug/l	99
14) Allyl chloride	2.666	41	92959	50.058	ug/l	96
15) Acrylonitrile	3.068	53	158481	248.952	ug/l	99
16) Acetone	2.386	43	159941	296.139	ug/l	95
17) Carbon Disulfide	2.514	76	143824	48.461	ug/l	99
18) Methyl Acetate	2.703	43	73131	47.061	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	183053	49.329	ug/l	99
20) Methylene Chloride	2.794	84	56051	47.896	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	54825	49.696	ug/l	96
22) Diisopropyl ether	3.763	45	183328	49.034	ug/l	93
23) Vinyl Acetate	3.721	43	810864	257.952	ug/l	98
24) 1,1-Dichloroethane	3.611	63	99429	49.147	ug/l	100
25) 2-Butanone	4.556	43	237768	273.243	ug/l	98
26) 2,2-Dichloropropane	4.483	77	79191	57.934	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	63251	49.935	ug/l	96
28) Bromochloromethane	4.904	49	41476	49.456	ug/l	96
29) Tetrahydrofuran	5.007	42	146296	247.300	ug/l	97
30) Chloroform	5.093	83	102371	48.702	ug/l	99
31) Cyclohexane	5.477	56	96237	49.254	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	92241	49.773	ug/l	99
36) 1,1-Dichloropropene	5.696	75	77752	50.458	ug/l	98
37) Ethyl Acetate	4.715	43	87614	50.031	ug/l	98
38) Carbon Tetrachloride	5.684	117	82644	51.145	ug/l	95
39) Methylcyclohexane	7.379	83	100031	52.934	ug/l	98
40) Benzene	6.037	78	225287	50.165	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47904	50.472	ug/l	97
42) 1,2-Dichloroethane	6.086	62	81803	51.691	ug/l	98
43) Isopropyl Acetate	6.342	43	141381	52.472	ug/l	98
44) Trichloroethene	7.123	130	68598	50.872	ug/l	92
45) 1,2-Dichloropropane	7.427	63	57348	50.471	ug/l	98
46) Dibromomethane	7.580	93	40689	51.752	ug/l	96
47) Bromodichloromethane	7.824	83	80881	53.718	ug/l	99
48) Methyl methacrylate	7.690	41	69393	51.978	ug/l	96
49) 1,4-Dioxane	7.677	88	23905	1039.093	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	415775	254.643	ug/l	97
52) Toluene	8.720	92	142808	50.226	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	85901	52.629	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	94542	56.864	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	56296	52.299	ug/l	99
56) Ethyl methacrylate	9.116	69	91294	53.504	ug/l	95
57) 1,3-Dichloropropane	9.311	76	97329	52.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	224825	256.712	ug/l	97
59) 2-Hexanone	9.433	43	320020	267.962	ug/l	98
60) Dibromochloromethane	9.525	129	61957	55.940	ug/l	100
61) 1,2-Dibromoethane	9.610	107	60885	53.535	ug/l	99
64) Tetrachloroethene	9.275	164	71901	50.571	ug/l	95
65) Chlorobenzene	10.079	112	149529	51.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	56947	52.878	ug/l	99
67) Ethyl Benzene	10.195	91	268571	51.832	ug/l	98
68) m/p-Xylenes	10.305	106	205223	102.942	ug/l	98
69) o-Xylene	10.640	106	100051	51.218	ug/l	97
70) Styrene	10.659	104	165118	52.117	ug/l	98
71) Bromoform	10.799	173	42131	50.494	ug/l #	98
73) Isopropylbenzene	10.963	105	263624	51.916	ug/l	99
74) N-amyl acetate	10.841	43	104310	51.411	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	68222	49.507	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	72793m	51.582	ug/l	
77) Bromobenzene	11.201	156	61911	51.292	ug/l	95
78) n-propylbenzene	11.305	91	299720	53.242	ug/l	99
79) 2-Chlorotoluene	11.366	91	175374	50.420	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	216436	51.788	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23679	52.296	ug/l	89
82) 4-Chlorotoluene	11.457	91	200022	51.261	ug/l	97
83) tert-Butylbenzene	11.713	119	203567	51.106	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	215176	51.045	ug/l	98
85) sec-Butylbenzene	11.890	105	264201	52.326	ug/l	99
86) p-Isopropyltoluene	12.012	119	225443	52.705	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	112696	50.953	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	114383	51.281	ug/l	99
89) n-Butylbenzene	12.335	91	191575	54.740	ug/l	99
90) Hexachloroethane	12.542	117	34852	56.374	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	108697	50.933	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18165	53.603	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	73022	54.217	ug/l	99
94) Hexachlorobutadiene	13.725	225	31057	54.516	ug/l	98
95) Naphthalene	13.780	128	249630	52.913	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	71821	52.663	ug/l	99

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

