

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121921\
 Data File : VX025902.D
 Acq On : 18 Dec 2021 11:02
 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 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 19 05:53:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	115285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92705	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76100	45.88	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.76%		
35) Dibromofluoromethane	5.385	113	63840	48.83	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.66%		
50) Toluene-d8	8.647	98	241604	50.72	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.44%		
62) 4-Bromofluorobenzene	11.079	95	92443	51.09	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.18%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	62995	61.10	ug/l	92
3) Chloromethane	1.294	50	67844	50.53	ug/l	99
4) Vinyl Chloride	1.374	62	75615	52.95	ug/l	100
5) Bromomethane	1.599	94	48838	47.90	ug/l	98
6) Chloroethane	1.679	64	49941	48.28	ug/l	98
7) Trichlorofluoromethane	1.886	101	123548	52.38	ug/l	97
8) Diethyl Ether	2.136	74	45368	48.76	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	65788	53.60	ug/l	97
10) Methyl Iodide	2.453	142	82508	52.75	ug/l	99
11) Tert butyl alcohol	2.971	59	64368	193.45	ug/l	99
12) 1,1-Dichloroethene	2.319	96	60235	49.35	ug/l	97
13) Acrolein	2.239	56	63271	278.19	ug/l	99
14) Allyl chloride	2.666	41	110794	49.74	ug/l	98
15) Acrylonitrile	3.062	53	184697	237.78	ug/l	100
16) Acetone	2.380	43	220929	313.11	ug/l	99
17) Carbon Disulfide	2.514	76	152691	43.68	ug/l	98
18) Methyl Acetate	2.703	43	122516	48.46	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	219996	51.03	ug/l	98
20) Methylene Chloride	2.788	84	72583	51.22	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	70605	51.84	ug/l	99
22) Diisopropyl ether	3.764	45	230593	53.37	ug/l	94
23) Vinyl Acetate	3.721	43	892313	266.88	ug/l	99
24) 1,1-Dichloroethane	3.611	63	126041	51.09	ug/l	98
25) 2-Butanone	4.556	43	287494	257.69	ug/l	100
26) 2,2-Dichloropropane	4.477	77	95257	50.91	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	82855	51.30	ug/l	99
28) Bromochloromethane	4.897	49	54767	49.26	ug/l	98
29) Tetrahydrofuran	5.007	42	170048	239.73	ug/l	99
30) Chloroform	5.093	83	135896	50.23	ug/l	99
31) Cyclohexane	5.471	56	116855	57.93	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	119065	50.56	ug/l	100
36) 1,1-Dichloropropene	5.690	75	99938	56.37	ug/l	99
37) Ethyl Acetate	4.715	43	101253	51.40	ug/l	99
38) Carbon Tetrachloride	5.678	117	107242	51.99	ug/l	98
39) Methylcyclohexane	7.385	83	124577	62.80	ug/l	99
40) Benzene	6.037	78	293581	55.51	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	56253	51.60	ug/l	98
42) 1,2-Dichloroethane	6.086	62	106983	53.22	ug/l	100
43) Isopropyl Acetate	6.342	43	165550	52.16	ug/l	99
44) Trichloroethene	7.123	130	82817	56.25	ug/l	99
45) 1,2-Dichloropropane	7.427	63	72571	54.44	ug/l	98
46) Dibromomethane	7.580	93	54094	52.12	ug/l	97
47) Bromodichloromethane	7.824	83	103507	50.61	ug/l	96
48) Methyl methacrylate	7.690	41	80931	54.15	ug/l	99
49) 1,4-Dioxane	7.659	88	30987	949.75	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	547760	263.66	ug/l	100
52) Toluene	8.720	92	193878	57.53	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	103980	53.33	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	117415	55.04	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	78666	54.43	ug/l	98
56) Ethyl methacrylate	9.116	69	116044	55.91	ug/l	99
57) 1,3-Dichloropropane	9.311	76	127797	53.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	314618	306.58	ug/l	98
59) 2-Hexanone	9.433	43	443262	281.60	ug/l	99
60) Dibromochloromethane	9.525	129	82331	50.20	ug/l	99
61) 1,2-Dibromoethane	9.610	107	82529	52.67	ug/l	99
64) Tetrachloroethene	9.275	164	81409	57.11	ug/l	96
65) Chlorobenzene	10.079	112	211652	56.82	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	76490	52.59	ug/l	99
67) Ethyl Benzene	10.195	91	373305	59.27	ug/l	99
68) m/p-Xylenes	10.305	106	296829	121.11	ug/l	99
69) o-Xylene	10.640	106	144778	60.05	ug/l	99
70) Styrene	10.659	104	241453	60.18	ug/l	99
71) Bromoform	10.799	173	59473	49.64	ug/l #	98
73) Isopropylbenzene	10.963	105	381204	56.66	ug/l	100
74) N-amyl acetate	10.848	43	149759	55.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	119228	50.84	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	104011m	48.97	ug/l	
77) Bromobenzene	11.201	156	94601	54.82	ug/l	96
78) n-propylbenzene	11.305	91	444558	58.42	ug/l	100
79) 2-Chlorotoluene	11.366	91	261975	54.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	324425	58.14	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30548	44.59	ug/l	91
82) 4-Chlorotoluene	11.457	91	302839	55.88	ug/l	99
83) tert-Butylbenzene	11.719	119	313525	57.32	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	324517	58.22	ug/l	100
85) sec-Butylbenzene	11.890	105	407884	62.04	ug/l	100
86) p-Isopropyltoluene	12.012	119	341027	61.77	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	180670	56.19	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	180964	55.12	ug/l	99
89) n-Butylbenzene	12.335	91	293179	63.66	ug/l	100
90) Hexachloroethane	12.542	117	52843	48.70	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	172705	56.24	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23130	43.89	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	104607	56.09	ug/l	99
94) Hexachlorobutadiene	13.725	225	43618	66.77	ug/l	99
95) Naphthalene	13.780	128	339634	53.46	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	103883	56.31	ug/l	99

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

