

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111721\
 Data File : VX025189.D
 Acq On : 17 Nov 2021 14:57
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 17 15:31:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:28:00 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2021
 Supervised By : Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	26790	19.387	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	38.780%#		
35) Dibromofluoromethane	5.385	113	24476	20.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.060%#		
50) Toluene-d8	8.647	98	91435	19.906	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	39.820%#		
62) 4-Bromofluorobenzene	11.079	95	34420	19.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19999	17.598	ug/l	99
3) Chloromethane	1.288	50	25168	17.887	ug/l	98
4) Vinyl Chloride	1.373	62	29468	19.075	ug/l	99
5) Bromomethane	1.593	94	13304	20.031	ug/l	98
6) Chloroethane	1.678	64	20153	18.906	ug/l	98
7) Trichlorofluoromethane	1.880	101	45728	19.943	ug/l	99
8) Diethyl Ether	2.129	74	18532	19.584	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	25134	20.601	ug/l	97
10) Methyl Iodide	2.446	142	25345	16.614	ug/l	91
11) Tert butyl alcohol	2.971	59	34452	92.560	ug/l	96
12) 1,1-Dichloroethene	2.312	96	23795	19.583	ug/l	88
13) Acrolein	2.233	56	6458	102.012	ug/l	97
14) Allyl chloride	2.660	41	41698	18.962	ug/l	94
15) Acrylonitrile	3.062	53	71257	96.093	ug/l	99
16) Acetone	2.379	43	74696	97.280	ug/l	96
17) Carbon Disulfide	2.507	76	66028	19.317	ug/l	99
18) Methyl Acetate	2.703	43	45692	18.625	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	83193	19.650	ug/l	100
20) Methylene Chloride	2.788	84	27365	18.959	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	26582	19.970	ug/l	88
22) Diisopropyl ether	3.757	45	81730	19.516	ug/l	97
23) Vinyl Acetate	3.721	43	325410	96.735	ug/l	96
24) 1,1-Dichloroethane	3.611	63	45822	20.025	ug/l	96
25) 2-Butanone	4.556	43	106252	95.710	ug/l	98
26) 2,2-Dichloropropane	4.471	77	41856	20.176	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	31120	20.020	ug/l	90
28) Bromochloromethane	4.897	49	20108	18.845	ug/l	88
29) Tetrahydrofuran	5.001	42	63712	92.689	ug/l	97
30) Chloroform	5.086	83	46710	19.615	ug/l	98
31) Cyclohexane	5.470	56	42827	20.056	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	43397	19.905	ug/l	98
36) 1,1-Dichloropropene	5.690	75	34992	20.143	ug/l	96
37) Ethyl Acetate	4.708	43	39334	19.901	ug/l	99
38) Carbon Tetrachloride	5.672	117	39532	20.661	ug/l	99
39) Methylcyclohexane	7.379	83	46771	20.990	ug/l	95
40) Benzene	6.037	78	106091	20.160	ug/l	99

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41) Methacrylonitrile	4.916	41	20502	18.689	ug/l	96
42) 1,2-Dichloroethane	6.086	62	34820	20.335	ug/l	91
43) Isopropyl Acetate	6.336	43	64790	19.698	ug/l	98
44) Trichloroethene	7.129	130	31864	20.844	ug/l	88
45) 1,2-Dichloropropane	7.427	63	26312	20.358	ug/l	97
46) Dibromomethane	7.580	93	18938	20.184	ug/l	90
47) Bromodichloromethane	7.817	83	37735	20.465	ug/l	94
48) Methyl methacrylate	7.689	41	29792	19.299	ug/l	95
49) 1,4-Dioxane	7.659	88	12943	397.034	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	200534	97.228	ug/l	97
52) Toluene	8.720	92	70500	20.520	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	41903	20.436	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	44451	19.999	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	28448	20.834	ug/l	98
56) Ethyl methacrylate	9.116	69	44635	20.143	ug/l	95
57) 1,3-Dichloropropane	9.311	76	45842	20.255	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	107485	104.258	ug/l	96
59) 2-Hexanone	9.433	43	160229	98.540	ug/l	95
60) Dibromochloromethane	9.524	129	31612	20.114	ug/l	99
61) 1,2-Dibromoethane	9.610	107	30176	20.404	ug/l	98
64) Tetrachloroethene	9.275	164	32207	21.353	ug/l	92
65) Chlorobenzene	10.079	112	77614	20.823	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	29678	20.763	ug/l	99
67) Ethyl Benzene	10.195	91	135617	21.054	ug/l	97
68) m/p-Xylenes	10.305	106	109381	41.574	ug/l	91
69) o-Xylene	10.646	106	54071	20.998	ug/l	89
70) Styrene	10.658	104	88113	20.713	ug/l	97
71) Bromoform	10.799	173	25475	20.528	ug/l #	99
73) Isopropylbenzene	10.963	105	138635	21.057	ug/l	97
74) N-amyl acetate	10.841	43	55212	19.388	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	42074	19.757	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	39141m	18.927	ug/l	
77) Bromobenzene	11.201	156	35380	20.896	ug/l	92
78) n-propylbenzene	11.305	91	156947	21.237	ug/l	97
79) 2-Chlorotoluene	11.366	91	92976	20.665	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	115720	20.910	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	14790	19.695	ug/l	89
82) 4-Chlorotoluene	11.457	91	104755	20.397	ug/l	94
83) tert-Butylbenzene	11.719	119	117086	20.818	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	115222	21.066	ug/l	95
85) sec-Butylbenzene	11.890	105	146231	21.387	ug/l	97
86) p-Isopropyltoluene	12.012	119	123517	21.025	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	65988	20.936	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	66186	20.724	ug/l	98
89) n-Butylbenzene	12.335	91	102729	20.747	ug/l	95
90) Hexachloroethane	12.542	117	22692	20.961	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	64858	21.115	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8847	19.889	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	39899	22.069	ug/l	98
94) Hexachlorobutadiene	13.725	225	18719	21.564	ug/l	99
95) Naphthalene	13.780	128	126239	22.433	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38839	21.960	ug/l	98

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

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