

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX072420\
 Data File : VX017560.D
 Acq On : 25 Jul 2020 00:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 11:03:12 AM

Quant Time: Jul 25 04:28:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	569491	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.82	114	955573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	891173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	444209	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	406475	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
35) Dibromofluoromethane	5.46	113	323551	50.63	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	8.70	98	1206279	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.12	95	470398	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	257922	48.792	ug/l	98
3) Chloromethane	1.31	50	343301	48.777	ug/l	99
4) Vinyl Chloride	1.39	62	329228	45.941	ug/l	98
5) Bromomethane	1.62	94	205689	53.621	ug/l	100
6) Chloroethane	1.71	64	201729	51.064	ug/l	97
7) Trichlorofluoromethane	1.92	101	458277	40.657	ug/l	99
8) Diethyl Ether	2.17	74	204359	56.087	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	244864	39.586	ug/l	96
10) Methyl Iodide	2.49	142	363618	45.949	ug/l	99
11) Tert butyl alcohol	3.01	59	384073	249.111	ug/l	100
12) 1,1-Dichloroethene	2.36	96	252630	42.948	ug/l	93
13) Acrolein	2.27	56	281051	238.947	ug/l	100
14) Allyl chloride	2.70	41	546317	50.864	ug/l	97
15) Acrylonitrile	3.11	53	900864	270.526	ug/l	100
16) Acetone	2.42	43	826949	256.836	ug/l	97
17) Carbon Disulfide	2.54	76	800454	44.771	ug/l	99
18) Methyl Acetate	2.75	43	414756	54.696	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1074054	52.754	ug/l	99
20) Methylene Chloride	2.83	84	348724	57.705	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	302967	48.078	ug/l	98
22) Diisopropyl ether	3.82	45	1091250	55.565	ug/l	# 83
23) Vinyl Acetate	3.78	43	4898258	279.729	ug/l	99
24) 1,1-Dichloroethane	3.67	63	573320	50.677	ug/l	99
25) 2-Butanone	4.63	43	1267346	277.077	ug/l	99
26) 2,2-Dichloropropane	4.54	77	388488	38.362	ug/l	97
27) cis-1,2-Dichloroethene	4.56	96	362090	52.903	ug/l	97
28) Bromochloromethane	4.98	49	272209	53.096	ug/l	99
29) Tetrahydrofuran	5.09	42	817209	288.436	ug/l	99
30) Chloroform	5.17	83	613238	53.050	ug/l	99
31) Cyclohexane	5.54	56	413214	45.802	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	502898	46.135	ug/l	100
36) 1,1-Dichloropropene	5.76	75	413141	45.079	ug/l	100
37) Ethyl Acetate	4.79	43	498465	49.709	ug/l	99
38) Carbon Tetrachloride	5.75	117	465819	41.855	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	434461	40.609	ug/l	99
40) Benzene	6.11	78	1318471	50.179	ug/l	100
41) Methacrylonitrile	5.00	41	282414	49.134	ug/l	96
42) 1,2-Dichloroethane	6.16	62	539675	50.206	ug/l	98
43) Isopropyl Acetate	6.40	43	814949	49.256	ug/l	99
44) Trichloroethene	7.18	130	376788	49.069	ug/l	98
45) 1,2-Dichloropropane	7.49	63	357686	49.107	ug/l	99
46) Dibromomethane	7.64	93	238765	46.384	ug/l	100
47) Bromodichloromethane	7.87	83	514909	49.713	ug/l	96
48) Methyl methacrylate	7.74	41	391019	47.678	ug/l	99
49) 1,4-Dioxane	7.71	88	151270	962.046	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	2448614	248.040	ug/l	100
52) Toluene	8.76	92	847582	50.300	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	594448	51.270	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	528521	44.690	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	382288	54.460	ug/l	99
56) Ethyl methacrylate	9.16	69	591506	55.931	ug/l	98
57) 1,3-Dichloropropane	9.35	76	626586	54.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1328547	238.446	ug/l	99
59) 2-Hexanone	9.47	43	2115892	284.685	ug/l	99
60) Dibromochloromethane	9.57	129	455782	51.085	ug/l	100
61) 1,2-Dibromoethane	9.65	107	406078	54.336	ug/l	98
64) Tetrachloroethene	9.32	164	362109	45.272	ug/l	95
65) Chlorobenzene	10.12	112	906679	47.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	368358	47.316	ug/l	99
67) Ethyl Benzene	10.23	91	1496024	46.461	ug/l	98
68) m/p-Xylenes	10.34	106	1132972	90.826	ug/l	99
69) o-Xylene	10.68	106	528376	44.042	ug/l	100
70) Styrene	10.70	104	961531	47.106	ug/l	98
71) Bromoform	10.84	173	339028	50.265	ug/l #	98
73) Isopropylbenzene	11.00	105	1434945	47.088	ug/l	99
74) N-amyl acetate	10.88	43	751212	55.483	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	489040	51.414	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	496108m	54.293	ug/l	
77) Bromobenzene	11.24	156	410802	48.153	ug/l	98
78) n-propylbenzene	11.34	91	1751727	50.968	ug/l	99
79) 2-Chlorotoluene	11.40	91	1046609	49.159	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1259673	48.414	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	188351	51.940	ug/l	99
82) 4-Chlorotoluene	11.49	91	1204556	47.963	ug/l	100
83) tert-Butylbenzene	11.76	119	1166920	46.871	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	1263994	48.843	ug/l	100
85) sec-Butylbenzene	11.93	105	1349724	46.539	ug/l	99
86) p-Isopropyltoluene	12.05	119	1289599	46.693	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	702484	47.951	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	706660	46.568	ug/l	99
89) n-Butylbenzene	12.37	91	1108478	45.042	ug/l	99
90) Hexachloroethane	12.58	117	274218	50.361	ug/l	92
91) 1,2-Dichlorobenzene	12.38	146	675155	46.891	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	126180	47.067	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	515286	52.437	ug/l	99
94) Hexachlorobutadiene	13.77	225	204050	45.109	ug/l	96
95) Naphthalene	13.82	128	1712128	58.365	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	545585	56.229	ug/l	99

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

