

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015501.D
 Acq On : 06 Apr 2020 10:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 11:58:52 AM

Quant Time: Apr 07 05:45:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1195577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1766897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1618472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	867303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	748477	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
35) Dibromofluoromethane	5.46	113	548901	48.60	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	8.70	98	2042261	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.12	95	844241	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	534114	50.707	ug/l	99
3) Chloromethane	1.31	50	606048	45.180	ug/l	99
4) Vinyl Chloride	1.39	62	592458	48.101	ug/l	99
5) Bromomethane	1.62	94	268182	46.701	ug/l	99
6) Chloroethane	1.70	64	364237	47.681	ug/l	100
7) Trichlorofluoromethane	1.91	101	847230	51.291	ug/l	100
8) Diethyl Ether	2.17	74	323440	46.423	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	555413	51.579	ug/l	98
10) Methyl Iodide	2.49	142	641808	44.207	ug/l	98
11) Tert butyl alcohol	3.01	59	767243	190.096	ug/l	99
12) 1,1-Dichloroethene	2.36	96	538421	47.701	ug/l	100
13) Acrolein	2.27	56	527511	229.439	ug/l	99
14) Allyl chloride	2.70	41	1226520	46.504	ug/l	98
15) Acrylonitrile	3.11	53	1646096	213.859	ug/l	99
16) Acetone	2.42	43	1636780	225.936	ug/l	100
17) Carbon Disulfide	2.55	76	1590307	46.185	ug/l	99
18) Methyl Acetate	2.75	43	793678	42.925	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	2027683	46.318	ug/l	100
20) Methylene Chloride	2.83	84	610013	45.081	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	587052	46.863	ug/l	97
22) Diisopropyl ether	3.83	45	2218785	47.476	ug/l	88
23) Vinyl Acetate	3.78	43	9715070	229.595	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1141728	46.399	ug/l	99
25) 2-Butanone	4.63	43	2464006	211.492	ug/l	99
26) 2,2-Dichloropropane	4.55	77	1073966	53.173	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	678430	46.811	ug/l	97
28) Bromochloromethane	4.98	49	531038	45.201	ug/l	100
29) Tetrahydrofuran	5.09	42	1535169	204.967	ug/l	100
30) Chloroform	5.17	83	1113661	47.042	ug/l	98
31) Cyclohexane	5.55	56	1070962	50.171	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	1038828	48.487	ug/l	99
36) 1,1-Dichloropropene	5.77	75	857483	52.671	ug/l	100
37) Ethyl Acetate	4.79	43	968219	45.676	ug/l	100
38) Carbon Tetrachloride	5.75	117	929516	52.715	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	1057230	56.323	ug/l	99
40) Benzene	6.11	78	2423126	50.811	ug/l	97
41) Methacrylonitrile	5.00	41	560984	47.673	ug/l	99
42) 1,2-Dichloroethane	6.16	62	970271	50.652	ug/l	100
43) Isopropyl Acetate	6.41	43	1706654	47.693	ug/l	100
44) Trichloroethene	7.18	130	687757	52.881	ug/l	98
45) 1,2-Dichloropropane	7.49	63	656395	50.315	ug/l	98
46) Dibromomethane	7.64	93	426782	49.871	ug/l	99
47) Bromodichloromethane	7.87	83	937969	51.439	ug/l	97
48) Methyl methacrylate	7.75	41	849466	47.526	ug/l	99
49) 1,4-Dioxane	7.71	88	314839	944.235	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	4744500	233.956	ug/l	100
52) Toluene	8.76	92	1551635	52.775	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	1089320	50.936	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	1133227	52.018	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	609936	50.635	ug/l	98
56) Ethyl methacrylate	9.16	69	1050035	49.462	ug/l	100
57) 1,3-Dichloropropane	9.35	76	1065881	49.113	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2569918	248.879	ug/l	99
59) 2-Hexanone	9.47	43	3768140	246.113	ug/l	100
60) Dibromochloromethane	9.57	129	734985	50.777	ug/l	99
61) 1,2-Dibromoethane	9.65	107	657393	50.191	ug/l	99
64) Tetrachloroethene	9.32	164	672098	55.026	ug/l	98
65) Chlorobenzene	10.12	112	1694583	52.501	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	660150	51.195	ug/l	99
67) Ethyl Benzene	10.23	91	3040937	53.120	ug/l	99
68) m/p-Xylenes	10.34	106	2266746	106.336	ug/l	100
69) o-Xylene	10.68	106	1097360	52.095	ug/l	97
70) Styrene	10.70	104	1924618	51.923	ug/l	100
71) Bromoform	10.84	173	588440	50.128	ug/l #	98
73) Isopropylbenzene	11.00	105	2944564	51.816	ug/l	98
74) N-amyl acetate	10.88	43	1508030	47.713	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	913411	46.842	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	884559m	49.596	ug/l	
77) Bromobenzene	11.24	156	797970	52.643	ug/l	95
78) n-propylbenzene	11.34	91	3496361	53.806	ug/l	100
79) 2-Chlorotoluene	11.41	91	2067169	51.902	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	2591116	53.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	363827	48.947	ug/l #	93
82) 4-Chlorotoluene	11.49	91	2465403	52.802	ug/l	99
83) tert-Butylbenzene	11.76	119	2541003	53.601	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	2592610	52.422	ug/l	100
85) sec-Butylbenzene	11.93	105	3004953	54.808	ug/l	99
86) p-Isopropyltoluene	12.05	119	2834920	55.698	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1414843	52.139	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	1432531	51.827	ug/l	99
89) n-Butylbenzene	12.37	91	2594477	56.407	ug/l	99
90) Hexachloroethane	12.58	117	517202	52.207	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1393618	52.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	238981	43.422	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1135754	54.069	ug/l	99
94) Hexachlorobutadiene	13.77	225	558987	55.893	ug/l	97
95) Naphthalene	13.82	128	3217833	50.220	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1122868	55.521	ug/l	98

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

