

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX103119\
 Data File : VX013298.D
 Acq On : 31 Oct 2019 18:39
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX103119

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 3:41:23 PM

Quant Time: Nov 02 06:11:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	732728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1115602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1006064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	518950	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	426558	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	5.48	113	348939	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	8.71	98	1330203	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.14	95	471101	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	439104	52.011	ug/l	99
3) Chloromethane	1.31	50	465629	50.859	ug/l	99
4) Vinyl Chloride	1.40	62	543424	52.137	ug/l	100
5) Bromomethane	1.62	94	378804	52.152	ug/l	99
6) Chloroethane	1.71	64	296758	49.802	ug/l	99
7) Trichlorofluoromethane	1.92	101	604224	49.067	ug/l	99
8) Diethyl Ether	2.17	74	266493	48.938	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	344842	50.243	ug/l	99
10) Methyl Iodide	2.50	142	422971	49.775	ug/l	99
11) Tert butyl alcohol	3.03	59	528713	231.084	ug/l	99
12) 1,1-Dichloroethene	2.36	96	344248	51.218	ug/l	98
13) Acrolein	2.28	56	316333	255.105	ug/l	96
14) Allyl chloride	2.72	41	622440	50.969	ug/l	99
15) Acrylonitrile	3.13	53	1110364	259.806	ug/l	98
16) Acetone	2.43	43	1041330	240.503	ug/l	97
17) Carbon Disulfide	2.56	76	964993	53.642	ug/l	100
18) Methyl Acetate	2.76	43	615374	51.480	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1155055	51.525	ug/l	98
20) Methylene Chloride	2.84	84	382048	47.757	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	367118	50.166	ug/l	97
22) Diisopropyl ether	3.84	45	1208946	51.277	ug/l	98
23) Vinyl Acetate	3.80	43	5231659	259.318	ug/l	100
24) 1,1-Dichloroethane	3.69	63	664931	50.415	ug/l	99
25) 2-Butanone	4.66	43	1604421	252.590	ug/l	100
26) 2,2-Dichloropropane	4.57	77	523590	49.902	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	415811	50.722	ug/l	100
28) Bromochloromethane	5.00	49	191461	51.127	ug/l	98
29) Tetrahydrofuran	5.12	42	1016018	259.567	ug/l	99
30) Chloroform	5.20	83	655893	50.362	ug/l	97
31) Cyclohexane	5.57	56	598582	50.437	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	576467	51.434	ug/l	99
36) 1,1-Dichloropropene	5.79	75	496991	51.930	ug/l	99
37) Ethyl Acetate	4.82	43	610760	51.646	ug/l	100
38) Carbon Tetrachloride	5.78	117	495461	52.941	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	609268	51.091	ug/l	99
40) Benzene	6.13	78	1496582	50.201	ug/l	100
41) Methacrylonitrile	5.03	41	333823	50.362	ug/l	99
42) 1,2-Dichloroethane	6.18	62	552532	51.383	ug/l	99
43) Isopropyl Acetate	6.44	43	959041	52.079	ug/l	99
44) Trichloroethene	7.20	130	410148	49.981	ug/l	99
45) 1,2-Dichloropropane	7.51	63	384798	50.659	ug/l	100
46) Dibromomethane	7.65	93	258834	49.907	ug/l	98
47) Bromodichloromethane	7.89	83	508813	52.027	ug/l	96
48) Methyl methacrylate	7.76	41	483972	52.649	ug/l	98
49) 1,4-Dioxane	7.73	88	207785	987.030	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	3099667	256.555	ug/l	100
52) Toluene	8.78	92	943320	51.053	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	579507	54.189	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	631439	52.785	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	385704	50.362	ug/l	97
56) Ethyl methacrylate	9.17	69	636189	48.700	ug/l	99
57) 1,3-Dichloropropane	9.37	76	648980	49.919	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1400210	267.391	ug/l	99
59) 2-Hexanone	9.48	43	2426155	259.854	ug/l	100
60) Dibromochloromethane	9.58	129	420276	53.657	ug/l	99
61) 1,2-Dibromoethane	9.67	107	415297	51.067	ug/l	99
64) Tetrachloroethene	9.33	164	359387	49.900	ug/l	99
65) Chlorobenzene	10.14	112	1016525	49.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	387682	51.838	ug/l	98
67) Ethyl Benzene	10.25	91	1808514	51.446	ug/l	99
68) m/p-Xylenes	10.36	106	1369905	103.041	ug/l	99
69) o-Xylene	10.70	106	673674	51.758	ug/l	99
70) Styrene	10.71	104	1156627	53.159	ug/l	100
71) Bromoform	10.85	173	330732	47.843	ug/l #	99
73) Isopropylbenzene	11.01	105	1779453	51.718	ug/l	100
74) N-amyl acetate	10.89	43	868847	54.455	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	629510	50.151	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	503662m	47.783	ug/l	
77) Bromobenzene	11.25	156	468866	51.116	ug/l	98
78) n-propylbenzene	11.35	91	2016166	52.604	ug/l	99
79) 2-Chlorotoluene	11.42	91	1184099	51.277	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1499080	52.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	214126	52.289	ug/l	98
82) 4-Chlorotoluene	11.51	91	1376882	50.936	ug/l	99
83) tert-Butylbenzene	11.77	119	1495458	51.836	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1496369	52.049	ug/l	98
85) sec-Butylbenzene	11.94	105	1738139	52.422	ug/l	99
86) p-Isopropyltoluene	12.06	119	1603361	52.515	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	825041	50.461	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	837212	50.258	ug/l	99
89) n-Butylbenzene	12.39	91	1409327	52.901	ug/l	100
90) Hexachloroethane	12.59	117	294907	54.212	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	830831	50.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	150616	49.251	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	605364	53.100	ug/l	97
94) Hexachlorobutadiene	13.78	225	283161	50.769	ug/l	99
95) Naphthalene	13.83	128	1957248	54.720	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	597383	52.250	ug/l	99

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

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