

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082219\
 Data File : VX011752.D
 Acq On : 22 Aug 2019 10:30
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:53 PM

Quant Time: Aug 23 01:45:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	399206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	559447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	513573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	391150	102.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.54%	
35) Dibromofluoromethane	5.49	113	339228	91.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.02%	
50) Toluene-d8	8.71	98	1220985	102.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.34%	
62) 4-Bromofluorobenzene	11.13	95	465903	94.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	350388	90.169	ug/l	100
3) Chloromethane	1.32	50	277872	69.707	ug/l	99
4) Vinyl Chloride	1.40	62	296664	82.404	ug/l	100
5) Bromomethane	1.63	94	166377	99.641	ug/l	98
6) Chloroethane	1.70	64	174868	97.526	ug/l	97
7) Trichlorofluoromethane	1.92	101	480120	93.623	ug/l	100
8) Diethyl Ether	2.18	74	157606	90.401	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	284658	81.531	ug/l	99
10) Methyl Iodide	2.50	142	379642	78.447	ug/l	97
11) Tert butyl alcohol	3.05	59	370131	417.046	ug/l	99
12) 1,1-Dichloroethene	2.36	96	278690	82.873	ug/l	97
13) Acrolein	2.29	56	155613	513.318	ug/l	95
14) Allyl chloride	2.71	41	449233	80.504	ug/l	95
15) Acrylonitrile	3.14	53	817526	400.461	ug/l	99
16) Acetone	2.44	43	751885	406.007	ug/l	98
17) Carbon Disulfide	2.56	76	724934	90.067	ug/l	100
18) Methyl Acetate	2.76	43	439671	78.056	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	926510	84.756	ug/l	99
20) Methylene Chloride	2.85	84	305565	78.724	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	295623	82.380	ug/l	96
22) Diisopropyl ether	3.85	45	880711	80.114	ug/l	98
23) Vinyl Acetate	3.81	43	3745991	427.041	ug/l	99
24) 1,1-Dichloroethane	3.69	63	510025	81.163	ug/l	99
25) 2-Butanone	4.67	43	1160103	407.333	ug/l	98
26) 2,2-Dichloropropane	4.57	77	443944	92.451	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	341941	82.356	ug/l	99
28) Bromochloromethane	5.01	49	244361	88.157	ug/l	99
29) Tetrahydrofuran	5.12	42	750177	400.925	ug/l	99
30) Chloroform	5.20	83	552370	83.225	ug/l	97
31) Cyclohexane	5.57	56	455108	84.027	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	512351	89.355	ug/l	99
36) 1,1-Dichloropropene	5.79	75	405303	86.106	ug/l	99
37) Ethyl Acetate	4.82	43	438381	81.427	ug/l	99
38) Carbon Tetrachloride	5.78	117	462606	88.920	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	500000	85.213	ug/l	100
40) Benzene	6.13	78	1189245	81.448	ug/l	100
41) Methacrylonitrile	5.04	41	240635	81.683	ug/l	99
42) 1,2-Dichloroethane	6.18	62	443251	86.832	ug/l	99
43) Isopropyl Acetate	6.44	43	693988	82.378	ug/l	100
44) Trichloroethene	7.21	130	359475	82.230	ug/l	98
45) 1,2-Dichloropropane	7.51	63	302229	82.954	ug/l	98
46) Dibromomethane	7.66	93	221449	82.934	ug/l	97
47) Bromodichloromethane	7.89	83	427970	87.587	ug/l	99
48) Methyl methacrylate	7.77	41	350774	84.160	ug/l	98
49) 1,4-Dioxane	7.74	88	178506	1605.346	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2275110	414.469	ug/l	100
52) Toluene	8.78	92	775132	82.769	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	471881	93.104	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	499916	90.330	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	321266	80.896	ug/l	98
56) Ethyl methacrylate	9.18	69	505330	87.652	ug/l	98
57) 1,3-Dichloropropane	9.37	76	513607	81.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1412387	486.434	ug/l	99
59) 2-Hexanone	9.49	43	1784244	420.901	ug/l	99
60) Dibromochloromethane	9.58	129	380639	92.202	ug/l	100
61) 1,2-Dibromoethane	9.67	107	360723	84.972	ug/l	100
64) Tetrachloroethene	9.34	164	347155	81.784	ug/l	96
65) Chlorobenzene	10.13	112	882663	81.863	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	348807	86.265	ug/l	99
67) Ethyl Benzene	10.25	91	1523761	83.894	ug/l	99
68) m/p-Xylenes	10.35	106	1173514	168.206	ug/l	99
69) o-Xylene	10.69	106	573877	83.907	ug/l	99
70) Styrene	10.71	104	996218	86.980	ug/l	99
71) Bromoform	10.85	173	311718	90.836	ug/l	99
73) Isopropylbenzene	11.02	105	1538485	82.703	ug/l	99
74) N-amyl acetate	10.90	43	635526	81.441	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	504585	79.725	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	441066m	81.597	ug/l	
77) Bromobenzene	11.25	156	440640	80.062	ug/l	99
78) n-propylbenzene	11.36	91	1710668	85.298	ug/l	99
79) 2-Chlorotoluene	11.42	91	1021184	83.022	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1321330	84.552	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	170183	93.428	ug/l	99
82) 4-Chlorotoluene	11.51	91	1212580	84.886	ug/l	99
83) tert-Butylbenzene	11.77	119	1316202	82.998	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1348719	86.080	ug/l	98
85) sec-Butylbenzene	11.94	105	1517806	85.154	ug/l	99
86) p-Isopropyltoluene	12.06	119	1456341	86.383	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	784427	82.547	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	783177	81.354	ug/l	99
89) n-Butylbenzene	12.38	91	1237434	89.155	ug/l	100
90) Hexachloroethane	12.59	117	239663	89.922	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	769100	80.709	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	126345	86.499	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	602286	84.823	ug/l	99
94) Hexachlorobutadiene	13.78	225	314621	82.367	ug/l	99
95) Naphthalene	13.83	128	1764463	88.717	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	607560	85.027	ug/l	99

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

