

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004194.D
 Acq On : 22 Aug 2018 12:08
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:39:59 AM

Quant Time: Aug 23 04:53:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 04:40:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	316797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	464289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	281822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	404092	97.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.74%	
35) Dibromofluoromethane	5.50	113	348239	100.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.64%	
50) Toluene-d8	8.72	98	1331706	102.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.28%	
62) 4-Bromofluorobenzene	11.14	95	516341	106.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	381771	104.04	ug/l	97
3) Chloromethane	1.32	50	390071	91.19	ug/l	100
4) Vinyl Chloride	1.40	62	401021	96.61	ug/l	99
5) Bromomethane	1.63	94	201663	80.25	ug/l	100
6) Chloroethane	1.71	64	266728	83.64	ug/l	94
7) Trichlorofluoromethane	1.92	101	542013	95.29	ug/l	93
8) Diethyl Ether	2.19	74	232243	95.35	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	327624	91.96	ug/l	100
10) Methyl Iodide	2.51	142	403011	110.03	ug/l	99
11) Tert butyl alcohol	3.09	59	410274	466.14	ug/l	99
12) 1,1-Dichloroethene	2.37	96	313938	93.54	ug/l	98
13) Acrolein	2.29	56	104564	492.77	ug/l	97
14) Allyl chloride	2.72	41	598999	97.14	ug/l	99
15) Acrylonitrile	3.15	53	1013214	464.83	ug/l	99
16) Acetone	2.45	43	810215	413.03	ug/l	98
17) Carbon Disulfide	2.56	76	911682	92.39	ug/l	99
18) Methyl Acetate	2.78	43	585517	95.56	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1053609	95.26	ug/l	98
20) Methylene Chloride	2.85	84	356536	89.70	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	338848	91.22	ug/l	92
22) Diisopropyl ether	3.87	45	1095453	95.15	ug/l	98
23) Vinyl Acetate	3.82	43	4542739	486.84	ug/l	97
24) 1,1-Dichloroethane	3.69	63	629017	93.75	ug/l	99
25) 2-Butanone	4.71	43	1343634	438.52	ug/l	100
26) 2,2-Dichloropropane	4.58	77	503738	95.72	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	398514	94.59	ug/l	100
28) Bromochloromethane	5.02	49	289364	97.41	ug/l	100
29) Tetrahydrofuran	5.16	42	858556	483.96	ug/l	100
30) Chloroform	5.21	83	633313	94.15	ug/l	98
31) Cyclohexane	5.57	56	577909	99.83	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	548259	97.74	ug/l	99
36) 1,1-Dichloropropene	5.80	75	492552	94.36	ug/l	99
37) Ethyl Acetate	4.86	43	502523	97.89	ug/l	100
38) Carbon Tetrachloride	5.78	117	487693	99.32	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	599835	100.65	ug/l	99
40) Benzene	6.14	78	1499331	96.13	ug/l	100
41) Methacrylonitrile	5.06	41	288879	97.08	ug/l	99
42) 1,2-Dichloroethane	6.20	62	500831	94.14	ug/l	100
43) Isopropyl Acetate	6.46	43	813811	103.17	ug/l	99
44) Trichloroethene	7.21	130	404427	93.68	ug/l	99
45) 1,2-Dichloropropane	7.52	63	380466	97.47	ug/l	100
46) Dibromomethane	7.66	93	249480	95.99	ug/l	99
47) Bromodichloromethane	7.90	83	489629	101.24	ug/l	99
48) Methyl methacrylate	7.78	41	440316	104.32	ug/l	100
49) 1,4-Dioxane	7.76	88	191828	2001.76	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2730442	476.41	ug/l	99
52) Toluene	8.79	92	963835	98.72	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	570978	106.89	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	611991	105.18	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	383193	97.23	ug/l	99
56) Ethyl methacrylate	9.18	69	589144	109.81	ug/l	99
57) 1,3-Dichloropropane	9.37	76	650195	97.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1558746	567.02	ug/l	100
59) 2-Hexanone	9.50	43	2122662	485.46	ug/l	99
60) Dibromochloromethane	9.59	129	402835	104.91	ug/l	100
61) 1,2-Dibromoethane	9.68	107	404279	99.12	ug/l	99
64) Tetrachloroethene	9.34	164	382530	92.49	ug/l	99
65) Chlorobenzene	10.14	112	1033362	98.34	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	371182	102.42	ug/l	96
67) Ethyl Benzene	10.25	91	1719229	100.74	ug/l	100
68) m/p-Xylenes	10.36	106	1362329	204.16	ug/l	98
69) o-Xylene	10.70	106	649652	102.92	ug/l	96
70) Styrene	10.71	104	1082055	105.87	ug/l	98
71) Bromoform	10.86	173	313927	107.45	ug/l	97
73) Isopropylbenzene	11.02	105	1851598	100.03	ug/l	99
74) N-amyl acetate	10.90	43	753556	105.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	615033	94.95	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	543538m	97.69	ug/l	
77) Bromobenzene	11.26	156	502006	96.68	ug/l	99
78) n-propylbenzene	11.36	91	2120136	99.59	ug/l	99
79) 2-Chlorotoluene	11.42	91	1269542	96.89	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1564326	102.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	199415	112.88	ug/l	94
82) 4-Chlorotoluene	11.51	91	1504780	97.59	ug/l	99
83) tert-Butylbenzene	11.77	119	1595421	103.45	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1612253	102.47	ug/l	99
85) sec-Butylbenzene	11.94	105	1873355	102.31	ug/l	100
86) p-Isopropyltoluene	12.07	119	1713527	104.42	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	925056	94.63	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	944482	91.87	ug/l	99
89) n-Butylbenzene	12.39	91	1373488	102.94	ug/l	97
90) Hexachloroethane	12.60	117	243279	106.07	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	873800	97.80	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	115767	101.47	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	656662	101.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	302767	94.87	ug/l	97
95) Naphthalene	13.83	128	2004622	109.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	695917	101.12	ug/l	99

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

