

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000998.D
 Acq On : 19 Apr 2018 19:20
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/20/2018 2:09:32 PM

Quant Time: Apr 20 04:55:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	421564	131.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.46%	
35) Dibromofluoromethane	5.51	113	367136	154.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.90%	
50) Toluene-d8	8.73	98	1328668	155.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.40%	
62) 4-Bromofluorobenzene	11.15	95	560035	158.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	490654	202.53	ug/l	98
3) Chloromethane	1.32	50	436815	175.20	ug/l	100
4) Vinyl Chloride	1.41	62	441988	182.02	ug/l	99
5) Bromomethane	1.64	94	207645	129.96	ug/l	99
6) Chloroethane	1.72	64	248138	145.39	ug/l	99
7) Trichlorofluoromethane	1.92	101	630647	171.64	ug/l	100
8) Diethyl Ether	2.19	74	232718	165.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	366529	166.76	ug/l	99
10) Methyl Iodide	2.51	142	447134	225.50	ug/l	98
11) Tert butyl alcohol	3.09	59	350299	838.55	ug/l	100
12) 1,1-Dichloroethene	2.37	96	346442	165.25	ug/l	98
13) Acrolein	2.30	56	117237	1379.17	ug/l	100
14) Allyl chloride	2.73	41	637504	163.23	ug/l	98
15) Acrylonitrile	3.16	53	921955	834.88	ug/l	99
16) Acetone	2.45	43	788552	754.84	ug/l	98
17) Carbon Disulfide	2.57	76	1037353	159.03	ug/l	100
18) Methyl Acetate	2.78	43	547373	202.28	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1150450	168.44	ug/l	99
20) Methylene Chloride	2.86	84	370372	151.04	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	379056	159.92	ug/l	97
22) Diisopropyl ether	3.88	45	1255475	168.09	ug/l	99
23) Vinyl Acetate	3.83	43	5108972	838.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	679461	168.73	ug/l	100
25) 2-Butanone	4.71	43	1328259	826.06	ug/l	99
26) 2,2-Dichloropropane	4.59	77	604077	170.97	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	436881	170.34	ug/l	98
28) Bromochloromethane	5.03	49	265841	157.45	ug/l	99
29) Tetrahydrofuran	5.17	42	845041	824.60	ug/l	100
30) Chloroform	5.23	83	710893	171.38	ug/l	98
31) Cyclohexane	5.58	56	629941	172.86	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	661979	179.25	ug/l	99
36) 1,1-Dichloropropene	5.81	75	552046	170.85	ug/l	99
37) Ethyl Acetate	4.87	43	523740	173.98	ug/l	100
38) Carbon Tetrachloride	5.79	117	601620	178.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	663915	171.93	ug/l	99
40) Benzene	6.15	78	1572717	174.48	ug/l	100
41) Methacrylonitrile	5.07	41	313754	166.41	ug/l	99
42) 1,2-Dichloroethane	6.21	62	574728	164.18	ug/l	99
43) Isopropyl Acetate	6.48	43	920277	180.73	ug/l	100
44) Trichloroethene	7.22	130	478389	168.43	ug/l	98
45) 1,2-Dichloropropane	7.52	63	404923	172.84	ug/l	100
46) Dibromomethane	7.67	93	277099	171.53	ug/l	99
47) Bromodichloromethane	7.91	83	555266	185.60	ug/l	98
48) Methyl methacrylate	7.79	41	490278	171.55	ug/l	99
49) 1,4-Dioxane	7.77	88	147468	3788.35	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	2805479	908.96	ug/l	99
52) Toluene	8.79	92	1045809	176.77	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	677224	188.61	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	663846	193.85	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	414455	180.10	ug/l	99
56) Ethyl methacrylate	9.19	69	652983	187.25	ug/l	98
57) 1,3-Dichloropropane	9.38	76	673304	177.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1534509	965.43	ug/l	99
59) 2-Hexanone	9.51	43	2154073	910.04	ug/l	98
60) Dibromochloromethane	9.59	129	496813	195.76	ug/l	99
61) 1,2-Dibromoethane	9.68	107	448598	180.38	ug/l	100
64) Tetrachloroethene	9.34	164	471024	162.15	ug/l	98
65) Chlorobenzene	10.15	112	1231918	171.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	462892	185.11	ug/l	99
67) Ethyl Benzene	10.26	91	2054620	174.34	ug/l	99
68) m/p-Xylenes	10.37	106	1639051	350.85	ug/l	98
69) o-Xylene	10.71	106	792135	174.20	ug/l	99
70) Styrene	10.72	104	1346394	178.95	ug/l	99
71) Bromoform	10.87	173	437861	203.73	ug/l	99
73) Isopropylbenzene	11.02	105	2131802	167.40	ug/l	99
74) N-amyl acetate	6.48	43	920277	173.10	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	638493	177.67	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	579222m	146.41	ug/l	
77) Bromobenzene	11.26	156	625676	167.95	ug/l	100
78) n-propylbenzene	11.37	91	2405557	163.34	ug/l	99
79) 2-Chlorotoluene	11.43	91	1426748	163.73	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1835632	169.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	208130	206.85	ug/l	92
82) 4-Chlorotoluene	11.52	91	1727267	164.65	ug/l	100
83) tert-Butylbenzene	11.78	119	1893196	170.31	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	1890804	171.56	ug/l	100
85) sec-Butylbenzene	11.95	105	2185971	163.76	ug/l	99
86) p-Isopropyltoluene	12.07	119	2047772	166.40	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1163953	166.49	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1180728	165.97	ug/l	99
89) n-Butylbenzene	12.40	91	1815826	163.53	ug/l	99
90) Hexachloroethane	12.60	117	349570	196.49	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	1139794	168.84	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	143522	191.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	959708	160.89	ug/l	100
94) Hexachlorobutadiene	13.79	225	432003	162.74	ug/l	99
95) Naphthalene	13.84	128	2428433	173.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	923133	165.79	ug/l	99

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

