

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040818\
 Data File : VX000743.D
 Acq On : 08 Apr 2018 20:19
 Operator : JC/MD
 Sample : J2190-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19-040218MS

Manual Integrations
 APPROVED

sam
 4/9/2018 2:03:25 PM

Quant Time: Apr 09 08:26:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	310795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	410563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	244935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	171472	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	5.51	113	145477	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	8.73	98	534448	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.15	95	214596	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	132452	47.32	ug/l	98
3) Chloromethane	1.32	50	90123	40.22	ug/l	97
4) Vinyl Chloride	1.41	62	111731	44.18	ug/l	97
5) Bromomethane	1.64	94	18914	10.72	ug/l	97
6) Chloroethane	1.73	64	84623	54.52	ug/l	99
7) Trichlorofluoromethane	1.93	101	195614	47.23	ug/l	100
8) Diethyl Ether	2.19	74	76129	53.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	114567	47.23	ug/l	98
10) Methyl Iodide	2.51	142	12304	9.56	ug/l	97
11) Tert butyl alcohol	3.07	59	125233	207.07	ug/l	100
12) 1,1-Dichloroethene	2.38	96	105702	48.53	ug/l	99
13) Acrolein	2.30	56	61301	231.59	ug/l	100
14) Allyl chloride	2.73	41	201003	45.65	ug/l	99
15) Acrylonitrile	3.15	53	303794	239.66	ug/l	100
16) Acetone	2.45	43	247078	221.62	ug/l	99
17) Carbon Disulfide	2.57	76	246272	50.79	ug/l	99
18) Methyl Acetate	2.78	43	155196	46.88	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	399647	49.35	ug/l	100
20) Methylene Chloride	2.86	84	118886	49.74	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	114451	49.15	ug/l	100
22) Diisopropyl ether	3.88	45	420081	48.68	ug/l	98
23) Vinyl Acetate	3.83	43	1695562	232.05	ug/l	100
24) 1,1-Dichloroethane	3.70	63	229228	50.75	ug/l	99
25) 2-Butanone	4.71	43	443666	227.47	ug/l	98
26) 2,2-Dichloropropane	4.59	77	198579	43.20	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	144431	48.51	ug/l	97
28) Bromochloromethane	5.03	49	100154	56.52	ug/l	97
29) Tetrahydrofuran	5.17	42	281300	226.64	ug/l	98
30) Chloroform	5.23	83	242096	49.30	ug/l	100
31) Cyclohexane	5.59	56	182525	51.04	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	227423	48.60	ug/l	99
36) 1,1-Dichloropropene	5.81	75	171630	45.56	ug/l	99
37) Ethyl Acetate	4.87	43	171179	42.10	ug/l	99
38) Carbon Tetrachloride	5.79	117	206448	46.77	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	191457	47.96	ug/l	97
40) Benzene	6.15	78	505669	47.73	ug/l	99
41) Methacrylonitrile	5.07	41	105524	44.80	ug/l	98
42) 1,2-Dichloroethane	6.21	62	195212	46.71	ug/l	99
43) Isopropyl Acetate	6.48	43	309149	43.66	ug/l	99
44) Trichloroethene	7.22	130	157704	48.98	ug/l	96
45) 1,2-Dichloropropane	7.52	63	135136	47.57	ug/l	98
46) Dibromomethane	7.67	93	92158	46.74	ug/l	97
47) Bromodichloromethane	7.91	83	195598	47.94	ug/l	99
48) Methyl methacrylate	7.79	41	161757	45.41	ug/l	98
49) 1,4-Dioxane	7.76	88	52629	744.34	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	930862	226.91	ug/l	99
52) Toluene	8.79	92	335937	47.56	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	225315	46.41	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	221531	45.95	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	137911	47.99	ug/l	98
56) Ethyl methacrylate	9.19	69	213904	46.68	ug/l	98
57) 1,3-Dichloropropane	9.38	76	223229	47.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.26	63	2069	0.96	ug/l #	45
59) 2-Hexanone	9.51	43	697853	222.88	ug/l	99
60) Dibromochloromethane	9.59	129	172850	48.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	145059	47.01	ug/l	99
64) Tetrachloroethene	9.34	164	145466	45.19	ug/l	98
65) Chlorobenzene	10.15	112	403824	47.78	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	158291	47.97	ug/l	100
67) Ethyl Benzene	10.26	91	672000	47.41	ug/l	99
68) m/p-Xylenes	10.37	106	527539	95.12	ug/l	99
69) o-Xylene	10.71	106	257260	47.27	ug/l	100
70) Styrene	10.72	104	436613	47.49	ug/l	99
71) Bromoform	10.87	173	149473	47.84	ug/l #	99
73) Isopropylbenzene	11.02	105	701637	47.92	ug/l	100
74) N-amyl acetate	6.48	43	309149	43.38	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	207488	47.67	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	190653m	45.75	ug/l	
77) Bromobenzene	11.26	156	203217	48.94	ug/l	98
78) n-propylbenzene	11.37	91	790152	47.03	ug/l	100
79) 2-Chlorotoluene	11.43	91	468525	46.76	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	597247	47.09	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	62782	39.22	ug/l	93
82) 4-Chlorotoluene	11.52	91	562947	46.89	ug/l	100
83) tert-Butylbenzene	11.78	119	634004	48.77	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	621102	47.30	ug/l	100
85) sec-Butylbenzene	11.95	105	722035	47.46	ug/l	100
86) p-Isopropyltoluene	12.07	119	675729	47.50	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	372107	47.82	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	380705	47.73	ug/l	99
89) n-Butylbenzene	12.40	91	577416	45.44	ug/l	100
90) Hexachloroethane	12.60	117	117052	45.32	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	366680	48.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49456	43.24	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	307103	47.52	ug/l	100
94) Hexachlorobutadiene	13.79	225	144009	45.25	ug/l	100
95) Naphthalene	13.84	128	822319	48.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	303144	48.62	ug/l	99

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

