

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001188.D
 Acq On : 27 Apr 2018 23:43
 Operator : JC/MD
 Sample : VX0427WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:41 PM

Quant Time: Apr 28 04:16:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	280503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	179946	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	142654	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
35) Dibromofluoromethane	5.51	113	115517	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.72	98	437664	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.14	95	164580	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	43692	20.27	ug/l	99
3) Chloromethane	1.32	50	41730	18.48	ug/l	98
4) Vinyl Chloride	1.40	62	46122	19.25	ug/l	97
5) Bromomethane	1.64	94	35825	23.25	ug/l	99
6) Chloroethane	1.73	64	29505	19.57	ug/l	98
7) Trichlorofluoromethane	1.93	101	81113	20.97	ug/l	97
8) Diethyl Ether	2.19	74	28372	19.07	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44962	21.09	ug/l	99
10) Methyl Iodide	2.51	142	29418	18.59	ug/l	100
11) Tert butyl alcohol	3.07	59	56966	90.65	ug/l	98
12) 1,1-Dichloroethene	2.38	96	41749	20.08	ug/l	91
13) Acrolein	2.30	56	15728	66.21	ug/l	92
14) Allyl chloride	2.73	41	73432	19.36	ug/l	98
15) Acrylonitrile	3.15	53	118834	88.56	ug/l	98
16) Acetone	2.45	43	111351	84.97	ug/l	98
17) Carbon Disulfide	2.57	76	97515	18.38	ug/l	100
18) Methyl Acetate	2.78	43	62310	19.00	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	146542	19.15	ug/l	99
20) Methylene Chloride	2.86	84	46675	19.12	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	44959	19.56	ug/l	98
22) Diisopropyl ether	3.88	45	140339	18.50	ug/l	94
23) Vinyl Acetate	3.83	43	588944	91.49	ug/l	99
24) 1,1-Dichloroethane	3.70	63	77574	19.45	ug/l	98
25) 2-Butanone	4.71	43	164707	84.00	ug/l	99
26) 2,2-Dichloropropane	4.59	77	49670	15.82	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	48511	19.28	ug/l	99
28) Bromochloromethane	5.03	49	31560	17.65	ug/l	98
29) Tetrahydrofuran	5.17	42	106991	84.87	ug/l	99
30) Chloroform	5.23	83	82228	19.39	ug/l	100
31) Cyclohexane	5.58	56	67029	19.78	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	71519	19.54	ug/l	98
36) 1,1-Dichloropropene	5.81	75	59787	19.34	ug/l	99
37) Ethyl Acetate	4.87	43	64039	17.30	ug/l	100
38) Carbon Tetrachloride	5.79	117	62287	19.65	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	67552	19.75	ug/l	97
40) Benzene	6.15	78	179719	20.10	ug/l	100
41) Methacrylonitrile	5.07	41	37053	17.81	ug/l	99
42) 1,2-Dichloroethane	6.20	62	70743	19.63	ug/l	100
43) Isopropyl Acetate	6.48	43	102398	17.61	ug/l	99
44) Trichloroethene	7.22	130	53602	20.12	ug/l	96
45) 1,2-Dichloropropane	7.52	63	44972	19.12	ug/l	98
46) Dibromomethane	7.67	93	32378	19.88	ug/l	99
47) Bromodichloromethane	7.90	83	56788	19.19	ug/l	98
48) Methyl methacrylate	7.79	41	55535	17.97	ug/l	99
49) 1,4-Dioxane	7.76	88	21741	351.42	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	350959	91.90	ug/l	97
52) Toluene	8.79	92	117747	20.14	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	64623	18.79	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	59611	18.13	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	48472	19.59	ug/l	99
56) Ethyl methacrylate	9.19	69	68136	18.59	ug/l	98
57) 1,3-Dichloropropane	9.38	76	79670	19.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	159918	92.29	ug/l	99
59) 2-Hexanone	9.51	43	264606	88.44	ug/l	99
60) Dibromochloromethane	9.59	129	48245	18.92	ug/l	99
61) 1,2-Dibromoethane	9.68	107	51476	19.86	ug/l	99
64) Tetrachloroethene	9.34	164	60876	21.27	ug/l	97
65) Chlorobenzene	10.15	112	139757	19.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	48376	19.90	ug/l	99
67) Ethyl Benzene	10.26	91	228817	20.04	ug/l	99
68) m/p-Xylenes	10.37	106	181534	40.22	ug/l	99
69) o-Xylene	10.71	106	87137	19.91	ug/l	99
70) Styrene	10.72	104	144334	19.81	ug/l	100
71) Bromoform	10.86	173	37613	18.20	ug/l	98
73) Isopropylbenzene	11.02	105	235531	20.08	ug/l	100
74) N-amyl acetate	6.48	43	102398	17.33	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	72073	18.52	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	66824m	18.24	ug/l	
77) Bromobenzene	11.26	156	68685	19.75	ug/l	99
78) n-propylbenzene	11.37	91	266151	20.35	ug/l	99
79) 2-Chlorotoluene	11.43	91	161104	19.87	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	198731	20.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	13538	15.69	ug/l	86
82) 4-Chlorotoluene	11.52	91	189618	19.68	ug/l	100
83) tert-Butylbenzene	11.77	119	192027	19.38	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	204465	20.03	ug/l	99
85) sec-Butylbenzene	11.95	105	235045	20.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	215324	20.00	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	124597	19.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	126396	19.43	ug/l	99
89) n-Butylbenzene	12.40	91	178359	19.14	ug/l	99
90) Hexachloroethane	12.60	117	29181	19.03	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	124504	19.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14659	17.07	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93346	18.87	ug/l	100
94) Hexachlorobutadiene	13.79	225	43756	18.82	ug/l	99
95) Naphthalene	13.84	128	256470	18.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94606	19.22	ug/l	99

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

