

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001588.D
 Acq On : 10 May 2018 06:27
 Operator : JC/MD
 Sample : VX0509WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:52:02 PM

Quant Time: May 10 08:37:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164727	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	5.51	113	132596	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.72	98	468889	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.14	95	175847	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62971	20.43	ug/l	99
3) Chloromethane	1.32	50	60721	20.22	ug/l	99
4) Vinyl Chloride	1.40	62	64412	20.55	ug/l	98
5) Bromomethane	1.64	94	35539	22.91	ug/l	96
6) Chloroethane	1.73	64	42375	20.46	ug/l	96
7) Trichlorofluoromethane	1.93	101	98769	20.94	ug/l	100
8) Diethyl Ether	2.19	74	40329	21.82	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57134	20.66	ug/l	100
10) Methyl Iodide	2.51	142	68386	17.14	ug/l	99
11) Tert butyl alcohol	3.08	59	82965	119.54	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53955	21.29	ug/l	99
13) Acrolein	2.30	56	11233	73.88	ug/l	98
14) Allyl chloride	2.73	41	94882	20.08	ug/l	98
15) Acrylonitrile	3.15	53	177919	113.45	ug/l	100
16) Acetone	2.45	43	161201	107.85	ug/l	99
17) Carbon Disulfide	2.57	76	114104	17.69	ug/l	99
18) Methyl Acetate	2.78	43	97628	24.86	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	195952	22.21	ug/l	100
20) Methylene Chloride	2.86	84	62831	21.23	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	55680	19.69	ug/l	98
22) Diisopropyl ether	3.88	45	191978	21.75	ug/l	99
23) Vinyl Acetate	3.83	43	770843	104.77	ug/l	98
24) 1,1-Dichloroethane	3.70	63	103060	20.90	ug/l	99
25) 2-Butanone	4.71	43	239231	110.72	ug/l	98
26) 2,2-Dichloropropane	4.59	77	47080	12.36	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	63936	21.23	ug/l	94
28) Bromochloromethane	5.02	49	50353	23.55	ug/l	95
29) Tetrahydrofuran	5.18	42	151928	109.90	ug/l	99
30) Chloroform	5.22	83	112755	22.20	ug/l	99
31) Cyclohexane	5.58	56	86733	20.48	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	96351	21.70	ug/l	99
36) 1,1-Dichloropropene	5.81	75	76285	19.71	ug/l	99
37) Ethyl Acetate	4.87	43	91501	21.56	ug/l	100
38) Carbon Tetrachloride	5.79	117	83919	20.33	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86683	18.94	ug/l	96
40) Benzene	6.15	78	240480	21.27	ug/l	100
41) Methacrylonitrile	5.07	41	51930	21.39	ug/l	99
42) 1,2-Dichloroethane	6.20	62	95183	21.90	ug/l	100
43) Isopropyl Acetate	6.48	43	138529	21.27	ug/l	100
44) Trichloroethene	7.22	130	71139	20.59	ug/l	96
45) 1,2-Dichloropropane	7.52	63	60177	21.35	ug/l	98
46) Dibromomethane	7.67	93	42527	21.31	ug/l	99
47) Bromodichloromethane	7.90	83	76587	20.74	ug/l	99
48) Methyl methacrylate	7.79	41	74177	20.91	ug/l	99
49) 1,4-Dioxane	7.76	88	33698	439.74	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	484099	111.84	ug/l	98
52) Toluene	8.79	92	157029	21.24	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	80832	19.37	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	71421	18.07	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	64260	21.58	ug/l	98
56) Ethyl methacrylate	9.19	69	89252	20.79	ug/l	100
57) 1,3-Dichloropropane	9.38	76	106286	21.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	236588	112.35	ug/l	99
59) 2-Hexanone	9.50	43	358507	108.16	ug/l	99
60) Dibromochloromethane	9.59	129	61072	20.02	ug/l	99
61) 1,2-Dibromoethane	9.68	107	66956	21.41	ug/l	100
64) Tetrachloroethene	9.34	164	87306	21.68	ug/l	99
65) Chlorobenzene	10.14	112	175700	20.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63832	21.06	ug/l	99
67) Ethyl Benzene	10.26	91	283537	20.41	ug/l	100
68) m/p-Xylenes	10.37	106	225658	41.12	ug/l	99
69) o-Xylene	10.70	106	110115	20.64	ug/l	97
70) Styrene	10.72	104	179923	20.76	ug/l	100
71) Bromoform	10.86	173	46838	18.49	ug/l	99
73) Isopropylbenzene	11.02	105	296241	21.49	ug/l	99
74) N-amyl acetate	6.48	43	138529	22.12	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	90171	22.14	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87417m	21.64	ug/l	
77) Bromobenzene	11.26	156	84094	20.98	ug/l	97
78) n-propylbenzene	11.37	91	321376	21.41	ug/l	99
79) 2-Chlorotoluene	11.43	91	200777	21.73	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	247975	21.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16827	16.43	ug/l	86
82) 4-Chlorotoluene	11.52	91	230793	21.66	ug/l	99
83) tert-Butylbenzene	11.77	119	238718	20.90	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	254626	21.58	ug/l	99
85) sec-Butylbenzene	11.95	105	293917	21.44	ug/l	99
86) p-Isopropyltoluene	12.07	119	265881	21.14	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150609	21.02	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	151698	20.76	ug/l	99
89) n-Butylbenzene	12.40	91	203949	19.57	ug/l	99
90) Hexachloroethane	12.60	117	37985	20.06	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	156043	21.41	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19317	21.59	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	107295	20.11	ug/l	98
94) Hexachlorobutadiene	13.79	225	56869	19.48	ug/l	100
95) Naphthalene	13.84	128	323247	21.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	114901	20.99	ug/l	99

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

