

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001560.D
 Acq On : 09 May 2018 17:32
 Operator : JC/MD
 Sample : VX0509WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:51:59 PM

Quant Time: May 10 04:48:58 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	231719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	299833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157564	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
35) Dibromofluoromethane	5.51	113	127409	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	8.72	98	451855	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.15	95	167998	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60174	19.29	ug/l	98
3) Chloromethane	1.32	50	58594	19.29	ug/l	98
4) Vinyl Chloride	1.40	62	61119	19.28	ug/l	97
5) Bromomethane	1.64	94	37288	23.90	ug/l	99
6) Chloroethane	1.72	64	41364	19.74	ug/l	99
7) Trichlorofluoromethane	1.93	101	97367	20.41	ug/l	100
8) Diethyl Ether	2.19	74	37260	19.92	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56392	20.16	ug/l	99
10) Methyl Iodide	2.51	142	72437	17.95	ug/l	98
11) Tert butyl alcohol	3.08	59	74294	105.80	ug/l	98
12) 1,1-Dichloroethene	2.37	96	50168	19.57	ug/l	97
13) Acrolein	2.30	56	12810	84.83	ug/l	98
14) Allyl chloride	2.73	41	97083	20.31	ug/l	99
15) Acrylonitrile	3.15	53	166681	105.04	ug/l	99
16) Acetone	2.45	43	170533	112.76	ug/l	99
17) Carbon Disulfide	2.57	76	115878	17.76	ug/l	100
18) Methyl Acetate	2.78	43	89063	22.42	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	184911	20.71	ug/l	99
20) Methylene Chloride	2.86	84	60274	20.13	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	54702	19.12	ug/l	99
22) Diisopropyl ether	3.88	45	173605	19.44	ug/l	99
23) Vinyl Acetate	3.83	43	722944	97.12	ug/l	99
24) 1,1-Dichloroethane	3.70	63	103218	20.69	ug/l	100
25) 2-Butanone	4.72	43	229702	105.07	ug/l	100
26) 2,2-Dichloropropane	4.59	77	77660	20.15	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	60153	19.74	ug/l	100
28) Bromochloromethane	5.03	49	45967	21.25	ug/l	97
29) Tetrahydrofuran	5.18	42	139891	100.01	ug/l	99
30) Chloroform	5.22	83	105496	20.53	ug/l	98
31) Cyclohexane	5.57	56	81762	19.08	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	92591	20.61	ug/l	100
36) 1,1-Dichloropropene	5.80	75	73121	19.17	ug/l	99
37) Ethyl Acetate	4.87	43	84875	20.30	ug/l	100
38) Carbon Tetrachloride	5.79	117	81015	19.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82976	18.40	ug/l	99
40) Benzene	6.15	78	222244	19.95	ug/l	99
41) Methacrylonitrile	5.07	41	47759	19.97	ug/l	98
42) 1,2-Dichloroethane	6.21	62	88246	20.61	ug/l	99
43) Isopropyl Acetate	6.48	43	129037	20.11	ug/l	100
44) Trichloroethene	7.22	130	66717	19.59	ug/l	99
45) 1,2-Dichloropropane	7.52	63	54559	19.64	ug/l	97
46) Dibromomethane	7.67	93	39612	20.15	ug/l	98
47) Bromodichloromethane	7.91	83	73341	20.16	ug/l	100
48) Methyl methacrylate	7.79	41	69042	19.76	ug/l	99
49) 1,4-Dioxane	7.77	88	31056	411.32	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	447448	104.91	ug/l	98
52) Toluene	8.79	92	145401	19.96	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	83030	20.19	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	73443	18.76	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	59338	20.22	ug/l	97
56) Ethyl methacrylate	9.19	69	81930	19.37	ug/l	99
57) 1,3-Dichloropropane	9.38	76	97547	20.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	225664	108.76	ug/l	99
59) 2-Hexanone	9.51	43	341957	104.71	ug/l	99
60) Dibromochloromethane	9.59	129	58069	19.32	ug/l	97
61) 1,2-Dibromoethane	9.68	107	62038	20.13	ug/l	100
64) Tetrachloroethene	9.34	164	79982	20.45	ug/l	98
65) Chlorobenzene	10.15	112	164567	20.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	61179	20.79	ug/l	99
67) Ethyl Benzene	10.26	91	266541	19.76	ug/l	100
68) m/p-Xylenes	10.37	106	216567	40.64	ug/l	99
69) o-Xylene	10.71	106	103085	19.90	ug/l	98
70) Styrene	10.72	104	170024	20.21	ug/l	99
71) Bromoform	10.87	173	45770	18.58	ug/l #	100
73) Isopropylbenzene	11.02	105	280288	20.23	ug/l	100
74) N-amyl acetate	6.48	43	129037	20.51	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	85411	20.88	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	83776m	20.64	ug/l	
77) Bromobenzene	11.26	156	78972	19.61	ug/l	98
78) n-propylbenzene	11.37	91	308521	20.45	ug/l	99
79) 2-Chlorotoluene	11.43	91	185861	20.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	232498	20.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	20173	18.78	ug/l	92
82) 4-Chlorotoluene	11.52	91	216841	20.25	ug/l	100
83) tert-Butylbenzene	11.77	119	230834	20.12	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	241812	20.40	ug/l	99
85) sec-Butylbenzene	11.95	105	280877	20.39	ug/l	99
86) p-Isopropyltoluene	12.07	119	257372	20.37	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	141096	19.60	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	144503	19.68	ug/l	99
89) n-Butylbenzene	12.40	91	202528	19.34	ug/l	99
90) Hexachloroethane	12.60	117	36837	19.36	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	144389	19.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18746	20.85	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102370	19.10	ug/l	99
94) Hexachlorobutadiene	13.79	225	55786	19.02	ug/l	99
95) Naphthalene	13.84	128	299295	20.19	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109312	19.88	ug/l	99

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

