

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001842.D
 Acq On : 18 May 2018 22:27
 Operator : JC/MD
 Sample : VX0518WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:37 PM

Quant Time: May 19 05:16:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363439	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	186170	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	182595	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	5.51	113	161779	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	8.72	98	601940	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
62) 4-Bromofluorobenzene	11.14	95	180228	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	51777	18.43	ug/l	97
3) Chloromethane	1.32	50	62646	20.64	ug/l	97
4) Vinyl Chloride	1.40	62	65664	20.01	ug/l	97
5) Bromomethane	1.64	94	32996	22.13	ug/l	99
6) Chloroethane	1.72	64	43217	20.91	ug/l	99
7) Trichlorofluoromethane	1.93	101	91824	19.26	ug/l	98
8) Diethyl Ether	2.19	74	39372	20.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56595	19.72	ug/l	98
10) Methyl Iodide	2.51	142	65480	24.80	ug/l	99
11) Tert butyl alcohol	3.08	59	76143	114.29	ug/l	100
12) 1,1-Dichloroethene	2.37	96	53696	19.41	ug/l	97
13) Acrolein	2.29	56	38450	81.38	ug/l	98
14) Allyl chloride	2.73	41	102779	20.10	ug/l	96
15) Acrylonitrile	3.15	53	182124	108.84	ug/l	100
16) Acetone	2.45	43	152591	103.53	ug/l	97
17) Carbon Disulfide	2.57	76	118321	16.39	ug/l	99
18) Methyl Acetate	2.78	43	99925	23.19	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	190527	20.43	ug/l	99
20) Methylene Chloride	2.86	84	62815	19.91	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	57688	18.93	ug/l	100
22) Diisopropyl ether	3.88	45	205208	20.91	ug/l	98
23) Vinyl Acetate	3.83	43	667572	94.43	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111208	20.67	ug/l	99
25) 2-Butanone	4.72	43	253616	112.40	ug/l	96
26) 2,2-Dichloropropane	4.59	77	67744	15.64	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	70101	20.21	ug/l	100
28) Bromochloromethane	5.03	49	56883	23.80	ug/l	99
29) Tetrahydrofuran	5.18	42	164763	112.02	ug/l	100
30) Chloroform	5.22	83	117328	20.76	ug/l	100
31) Cyclohexane	5.58	56	92558	19.62	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	99181	20.31	ug/l	100
36) 1,1-Dichloropropene	5.80	75	79744	19.06	ug/l	99
37) Ethyl Acetate	4.87	43	94063	21.57	ug/l	99
38) Carbon Tetrachloride	5.79	117	88297	20.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93512	19.13	ug/l	98
40) Benzene	6.15	78	262783	21.32	ug/l	99
41) Methacrylonitrile	5.07	41	54337	21.55	ug/l	98
42) 1,2-Dichloroethane	6.20	62	90078	20.21	ug/l	98
43) Isopropyl Acetate	6.48	43	139637	20.46	ug/l	99
44) Trichloroethene	7.22	130	78715	20.57	ug/l	99
45) 1,2-Dichloropropane	7.52	63	65591	21.68	ug/l	98
46) Dibromomethane	7.67	93	43800	20.62	ug/l	96
47) Bromodichloromethane	7.90	83	82589	20.95	ug/l	98
48) Methyl methacrylate	7.79	41	74262	20.67	ug/l	97
49) 1,4-Dioxane	7.76	88	34901	504.64	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	496230	114.75	ug/l	100
52) Toluene	8.79	92	171242	21.62	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	92757	20.00	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	79329	19.41	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	59664	19.71	ug/l	99
56) Ethyl methacrylate	9.19	69	80052	18.64	ug/l	99
57) 1,3-Dichloropropane	9.38	76	97025	19.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	242739	109.90	ug/l	99
59) 2-Hexanone	9.51	43	317885	102.68	ug/l	99
60) Dibromochloromethane	9.59	129	59891	19.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	61463	19.39	ug/l	99
64) Tetrachloroethene	9.34	164	78021	20.69	ug/l	99
65) Chlorobenzene	10.14	112	162032	20.33	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	60078	21.34	ug/l	100
67) Ethyl Benzene	10.26	91	258569	20.30	ug/l	99
68) m/p-Xylenes	10.37	106	211222	42.03	ug/l	98
69) o-Xylene	10.71	106	100765	20.94	ug/l	100
70) Styrene	10.72	104	165706	20.88	ug/l	99
71) Bromoform	10.87	173	46936	19.80	ug/l #	99
73) Isopropylbenzene	11.02	105	271913	22.18	ug/l	99
74) N-amyl acetate	6.48	43	139637	23.76	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	82576	22.45	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	78969m	22.31	ug/l	
77) Bromobenzene	11.26	156	78444	21.77	ug/l	98
78) n-propylbenzene	11.37	91	291346	21.09	ug/l	99
79) 2-Chlorotoluene	11.43	91	179374	21.71	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	225264	22.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18576	17.91	ug/l	93
82) 4-Chlorotoluene	11.52	91	203666	20.93	ug/l	100
83) tert-Butylbenzene	11.77	119	220704	22.05	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	232042	22.28	ug/l	100
85) sec-Butylbenzene	11.95	105	268270	21.71	ug/l	99
86) p-Isopropyltoluene	12.07	119	242817	21.24	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	136370	20.47	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	137837	20.01	ug/l	100
89) n-Butylbenzene	12.40	91	183442	18.55	ug/l	99
90) Hexachloroethane	12.60	117	38324	21.58	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	141374	21.30	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17310	22.05	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	97153	18.36	ug/l	98
94) Hexachlorobutadiene	13.79	225	54604	19.22	ug/l	98
95) Naphthalene	13.84	128	288700	20.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	106258	19.94	ug/l	98

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

