

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001737.D
 Acq On : 15 May 2018 11:34
 Operator : JC/MD
 Sample : VX0515WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:14 AM

Quant Time: May 16 04:24:52 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	356609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	269504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	245459	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.51	113	206767	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	8.72	98	786610	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
62) 4-Bromofluorobenzene	11.14	95	268950	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80657	22.54	ug/l	97
3) Chloromethane	1.32	50	81204	21.01	ug/l	100
4) Vinyl Chloride	1.40	62	92036	22.02	ug/l	98
5) Bromomethane	1.64	94	45558	24.27	ug/l	99
6) Chloroethane	1.72	64	59113	22.46	ug/l	98
7) Trichlorofluoromethane	1.93	101	136790	22.52	ug/l	99
8) Diethyl Ether	2.19	74	54832	21.93	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82806	22.65	ug/l	100
10) Methyl Iodide	2.51	142	46413	13.80	ug/l	98
11) Tert butyl alcohol	3.07	59	95490	112.52	ug/l	99
12) 1,1-Dichloroethene	2.37	96	76254	21.63	ug/l	98
13) Acrolein	2.29	56	63512	105.52	ug/l	99
14) Allyl chloride	2.73	41	144370	22.16	ug/l	99
15) Acrylonitrile	3.15	53	230150	107.98	ug/l	99
16) Acetone	2.45	43	216650	115.40	ug/l	98
17) Carbon Disulfide	2.57	76	194523	21.16	ug/l	98
18) Methyl Acetate	2.78	43	123763	22.55	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	261836	22.04	ug/l	99
20) Methylene Chloride	2.86	84	87265	21.72	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	83492	21.50	ug/l	99
22) Diisopropyl ether	3.88	45	265566	21.25	ug/l	98
23) Vinyl Acetate	3.83	43	916719	101.80	ug/l	100
24) 1,1-Dichloroethane	3.70	63	150401	21.94	ug/l	100
25) 2-Butanone	4.71	43	322200	112.10	ug/l	99
26) 2,2-Dichloropropane	4.59	77	123595	22.40	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95613	21.64	ug/l	98
28) Bromochloromethane	5.02	49	69243	22.74	ug/l	99
29) Tetrahydrofuran	5.17	42	202254	107.95	ug/l	100
30) Chloroform	5.22	83	158304	21.99	ug/l	99
31) Cyclohexane	5.58	56	137762	22.93	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	139595	22.44	ug/l	99
36) 1,1-Dichloropropene	5.81	75	119530	22.95	ug/l	99
37) Ethyl Acetate	4.87	43	120320	22.17	ug/l	100
38) Carbon Tetrachloride	5.79	117	127299	23.33	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148391	24.39	ug/l	99
40) Benzene	6.15	78	352725	22.99	ug/l	99
41) Methacrylonitrile	5.06	41	69682	22.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	126289	22.76	ug/l	100
43) Isopropyl Acetate	6.47	43	190949	22.48	ug/l	99
44) Trichloroethene	7.21	130	110229	23.14	ug/l	99
45) 1,2-Dichloropropane	7.52	63	87923	23.35	ug/l	99
46) Dibromomethane	7.67	93	59439	22.48	ug/l	99
47) Bromodichloromethane	7.90	83	114763	23.39	ug/l	99
48) Methyl methacrylate	7.78	41	100680	22.52	ug/l	99
49) 1,4-Dioxane	7.76	88	42512	493.78	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	634178	117.80	ug/l	99
52) Toluene	8.79	92	236928	24.03	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	135755	23.52	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	119034	23.39	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	86404	22.92	ug/l	99
56) Ethyl methacrylate	9.19	69	121385	22.71	ug/l	99
57) 1,3-Dichloropropane	9.38	76	143371	22.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	333950	121.46	ug/l	99
59) 2-Hexanone	9.50	43	454529	117.94	ug/l	100
60) Dibromochloromethane	9.59	129	89658	23.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	91893	23.29	ug/l	99
64) Tetrachloroethene	9.34	164	120536	22.96	ug/l	98
65) Chlorobenzene	10.15	112	250670	22.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	90413	23.08	ug/l	98
67) Ethyl Benzene	10.26	91	411131	23.20	ug/l	100
68) m/p-Xylenes	10.37	106	332037	47.48	ug/l	99
69) o-Xylene	10.71	106	157751	23.55	ug/l	100
70) Styrene	10.72	104	262193	23.74	ug/l	100
71) Bromoform	10.86	173	72570	21.67	ug/l #	99
73) Isopropylbenzene	11.02	105	428777	24.16	ug/l	99
74) N-amyl acetate	6.47	43	190949	22.44	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	118393	22.24	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	118585m	23.14	ug/l	
77) Bromobenzene	11.26	156	121311	23.26	ug/l	100
78) n-propylbenzene	11.37	91	487942	24.40	ug/l	99
79) 2-Chlorotoluene	11.43	91	283445	23.70	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	358825	24.64	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	31921	20.64	ug/l	94
82) 4-Chlorotoluene	11.52	91	334154	23.72	ug/l	99
83) tert-Butylbenzene	11.77	119	348619	24.06	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	369465	24.50	ug/l	100
85) sec-Butylbenzene	11.95	105	438126	24.49	ug/l	99
86) p-Isopropyltoluene	12.07	119	407158	24.60	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	221631	22.98	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	225323	22.59	ug/l	99
89) n-Butylbenzene	12.40	91	343568	24.00	ug/l	100
90) Hexachloroethane	12.60	117	60123	23.39	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	220972	22.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	25943	22.83	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	177428	23.16	ug/l	99
94) Hexachlorobutadiene	13.79	225	94672	23.02	ug/l	100
95) Naphthalene	13.84	128	461942	23.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176904	22.93	ug/l	99

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

