

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001916.D
 Acq On : 23 May 2018 01:52
 Operator : JC/MD
 Sample : VX0522WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:48 AM

Quant Time: May 23 03:28:46 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	247782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173699	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	5.51	113	148326	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	8.72	98	542431	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
62) 4-Bromofluorobenzene	11.14	95	176674	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44240	17.79	ug/l	98
3) Chloromethane	1.32	50	53167	19.79	ug/l	98
4) Vinyl Chloride	1.40	62	55936	19.26	ug/l	99
5) Bromomethane	1.64	94	33549	25.92	ug/l	98
6) Chloroethane	1.73	64	37905	20.72	ug/l	97
7) Trichlorofluoromethane	1.93	101	85085	20.16	ug/l	99
8) Diethyl Ether	2.19	74	35938	20.69	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49270	19.40	ug/l	98
10) Methyl Iodide	2.51	142	50890	21.77	ug/l	99
11) Tert butyl alcohol	3.08	59	82038	139.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	47449	19.37	ug/l	93
13) Acrolein	2.30	56	19043	45.54	ug/l	97
14) Allyl chloride	2.73	41	94147	20.80	ug/l	97
15) Acrylonitrile	3.15	53	174260	117.66	ug/l	99
16) Acetone	2.45	43	160607	123.12	ug/l	98
17) Carbon Disulfide	2.57	76	99413	15.56	ug/l	99
18) Methyl Acetate	2.78	43	102295	26.82	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	177320	21.48	ug/l	99
20) Methylene Chloride	2.86	84	57130	20.46	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	51920	19.24	ug/l	98
22) Diisopropyl ether	3.88	45	196561	22.63	ug/l	97
23) Vinyl Acetate	3.83	43	639313	102.18	ug/l	99
24) 1,1-Dichloroethane	3.70	63	103150	21.66	ug/l	99
25) 2-Butanone	4.71	43	260929	130.65	ug/l	98
26) 2,2-Dichloropropane	4.59	77	53908	14.06	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	63957	20.83	ug/l	97
28) Bromochloromethane	5.03	49	53466	25.27	ug/l	97
29) Tetrahydrofuran	5.18	42	167113	128.37	ug/l	97
30) Chloroform	5.22	83	112473	22.48	ug/l	99
31) Cyclohexane	5.58	56	82214	19.69	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	93697	21.67	ug/l	99
36) 1,1-Dichloropropene	5.81	75	74155	19.62	ug/l	98
37) Ethyl Acetate	4.87	43	93975	23.86	ug/l	100
38) Carbon Tetrachloride	5.79	117	82000	20.71	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79625	18.03	ug/l	96
40) Benzene	6.15	78	239646	21.52	ug/l	100
41) Methacrylonitrile	5.07	41	53192	23.35	ug/l	99
42) 1,2-Dichloroethane	6.21	62	89074	22.12	ug/l	99
43) Isopropyl Acetate	6.48	43	140089	22.72	ug/l	99
44) Trichloroethene	7.22	130	72437	20.96	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62100	22.73	ug/l	99
46) Dibromomethane	7.67	93	41211	21.48	ug/l	98
47) Bromodichloromethane	7.91	83	78230	21.97	ug/l	98
48) Methyl methacrylate	7.79	41	75431	23.25	ug/l	98
49) 1,4-Dioxane	7.76	88	33538	536.80	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	503054	128.76	ug/l	98
52) Toluene	8.79	92	154604	21.61	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	85652	20.45	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	75077	20.33	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	59583	21.78	ug/l	99
56) Ethyl methacrylate	9.19	69	81267	20.95	ug/l	99
57) 1,3-Dichloropropane	9.38	76	96682	21.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	237173	118.87	ug/l	100
59) 2-Hexanone	9.51	43	339341	121.34	ug/l	99
60) Dibromochloromethane	9.59	129	59606	21.28	ug/l	99
61) 1,2-Dibromoethane	9.68	107	60462	21.12	ug/l	99
64) Tetrachloroethene	9.34	164	78284	21.65	ug/l	99
65) Chlorobenzene	10.14	112	160207	20.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	59161	21.92	ug/l	100
67) Ethyl Benzene	10.26	91	251517	20.60	ug/l	100
68) m/p-Xylenes	10.37	106	203750	42.29	ug/l	99
69) o-Xylene	10.70	106	97442	21.12	ug/l	98
70) Styrene	10.72	104	165547	21.75	ug/l	100
71) Bromoform	10.86	173	47273	20.65	ug/l #	98
73) Isopropylbenzene	11.02	105	268005	21.86	ug/l	100
74) N-amyl acetate	6.48	43	140089	23.83	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	85172	23.16	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	81412m	22.99	ug/l	
77) Bromobenzene	11.26	156	78282	21.73	ug/l	99
78) n-propylbenzene	11.37	91	293630	21.26	ug/l	100
79) 2-Chlorotoluene	11.43	91	179595	21.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	221005	21.97	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18721	18.02	ug/l	89
82) 4-Chlorotoluene	11.52	91	207750	21.34	ug/l	100
83) tert-Butylbenzene	11.77	119	213536	21.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	230380	22.12	ug/l	99
85) sec-Butylbenzene	11.95	105	267524	21.65	ug/l	100
86) p-Isopropyltoluene	12.07	119	245310	21.45	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	140250	21.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	141906	20.60	ug/l	99
89) n-Butylbenzene	12.40	91	196557	19.88	ug/l	99
90) Hexachloroethane	12.60	117	38713	21.80	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	141647	21.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18966	24.16	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	106771	20.18	ug/l	100
94) Hexachlorobutadiene	13.79	225	57476	20.23	ug/l	99
95) Naphthalene	13.84	128	298588	21.71	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	111846	20.99	ug/l	99

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

