

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001937.D
 Acq On : 24 May 2018 11:19
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:51 PM

Quant Time: May 24 12:55:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	320974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	451216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	263771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	121711	21.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.00%	
35) Dibromofluoromethane	5.51	113	93775	21.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.64%	
50) Toluene-d8	8.72	98	339304	20.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.80%	
62) 4-Bromofluorobenzene	11.14	95	127841	20.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85316	20.44	ug/l	97
3) Chloromethane	1.32	50	94992	19.98	ug/l	98
4) Vinyl Chloride	1.40	62	91409	19.92	ug/l	100
5) Bromomethane	1.64	94	48396	21.89	ug/l	100
6) Chloroethane	1.72	64	54631	20.18	ug/l	100
7) Trichlorofluoromethane	1.93	101	139596	20.15	ug/l	99
8) Diethyl Ether	2.19	74	50768	19.99	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	77021	20.25	ug/l	100
10) Methyl Iodide	2.51	142	105064	17.91	ug/l	98
11) Tert butyl alcohol	3.08	59	118400	106.15	ug/l	99
12) 1,1-Dichloroethene	2.37	96	72869	20.54	ug/l	97
13) Acrolein	2.30	56	44257	100.07	ug/l	98
14) Allyl chloride	2.73	41	157585	20.64	ug/l	99
15) Acrylonitrile	3.15	53	229620	100.44	ug/l	100
16) Acetone	2.45	43	225940	105.54	ug/l	99
17) Carbon Disulfide	2.57	76	210784	20.32	ug/l	99
18) Methyl Acetate	2.78	43	112392	20.32	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	279121	20.41	ug/l	100
20) Methylene Chloride	2.86	84	81869	20.61	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	76672	20.10	ug/l	99
22) Diisopropyl ether	3.88	45	325980	20.35	ug/l	99
23) Vinyl Acetate	3.83	43	1354169	103.95	ug/l	100
24) 1,1-Dichloroethane	3.70	63	150178	20.35	ug/l	99
25) 2-Butanone	4.72	43	412001	102.02	ug/l	99
26) 2,2-Dichloropropane	4.59	77	151618	20.71	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95243	20.09	ug/l	90
28) Bromochloromethane	5.03	49	76332	22.70	ug/l	100
29) Tetrahydrofuran	5.18	42	264704	101.42	ug/l	100
30) Chloroform	5.22	83	167220	20.48	ug/l	98
31) Cyclohexane	5.58	56	152203	20.16	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	156598	20.25	ug/l	99
36) 1,1-Dichloropropene	5.80	75	121226	20.14	ug/l	99
37) Ethyl Acetate	4.87	43	161338	20.26	ug/l	99
38) Carbon Tetrachloride	5.79	117	140445	20.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	149296	20.35	ug/l	97
40) Benzene	6.15	78	358209	20.02	ug/l	99
41) Methacrylonitrile	5.07	41	91569	20.68	ug/l	98
42) 1,2-Dichloroethane	6.20	62	140078	20.06	ug/l	98
43) Isopropyl Acetate	6.48	43	271958	20.39	ug/l	100
44) Trichloroethene	7.22	130	104523	20.23	ug/l	100
45) 1,2-Dichloropropane	7.53	63	99529	20.87	ug/l	97
46) Dibromomethane	7.67	93	65044	20.21	ug/l	98
47) Bromodichloromethane	7.90	83	135047	19.96	ug/l	100
48) Methyl methacrylate	7.79	41	135205	20.06	ug/l	98
49) 1,4-Dioxane	7.76	88	48277	397.34	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	824431	102.20	ug/l	99
52) Toluene	8.79	92	226447	20.03	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	160166	20.04	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	152548	19.74	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	92894	20.06	ug/l	98
56) Ethyl methacrylate	9.19	69	161030	20.19	ug/l	100
57) 1,3-Dichloropropane	9.38	76	157469	20.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	376848	104.80	ug/l	99
59) 2-Hexanone	9.50	43	634683	101.66	ug/l	100
60) Dibromochloromethane	9.59	129	111184	19.68	ug/l	99
61) 1,2-Dibromoethane	9.68	107	99030	19.93	ug/l	100
64) Tetrachloroethene	9.34	164	112112	19.96	ug/l	98
65) Chlorobenzene	10.15	112	248598	20.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	101550	20.39	ug/l	99
67) Ethyl Benzene	10.26	91	440848	20.21	ug/l	100
68) m/p-Xylenes	10.37	106	334116	40.25	ug/l	99
69) o-Xylene	10.70	106	165968	20.18	ug/l	98
70) Styrene	10.72	104	274772	19.89	ug/l	99
71) Bromoform	10.86	173	93823	19.36	ug/l #	99
73) Isopropylbenzene	11.02	105	445157	20.92	ug/l	99
74) N-amyl acetate	6.48	43	271958	21.71	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	132216	21.26	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	125205m	21.49	ug/l	
77) Bromobenzene	11.26	156	116606	20.60	ug/l	100
78) n-propylbenzene	11.37	91	498732	20.65	ug/l	99
79) 2-Chlorotoluene	11.43	91	304431	21.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	376854	20.77	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	52003	21.23	ug/l	98
82) 4-Chlorotoluene	11.52	91	348014	20.62	ug/l	99
83) tert-Butylbenzene	11.77	119	367441	20.87	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	386134	20.73	ug/l	100
85) sec-Butylbenzene	11.95	105	443339	20.55	ug/l	99
86) p-Isopropyltoluene	12.07	119	395517	20.43	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	205346	20.33	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	204355	20.11	ug/l	99
89) n-Butylbenzene	12.39	91	333751	19.84	ug/l	100
90) Hexachloroethane	12.60	117	77163	20.34	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	210645	20.32	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	39572	20.87	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	147200	19.42	ug/l	100
94) Hexachlorobutadiene	13.79	225	79623	19.66	ug/l	99
95) Naphthalene	13.84	128	475252	20.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	155204	19.94	ug/l	100

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

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