

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001164.D
 Acq On : 27 Apr 2018 12:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:36 PM

Quant Time: Apr 27 17:43:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	233885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173600	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	
35) Dibromofluoromethane	5.51	113	140931	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	8.72	98	537726	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.14	95	216412	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136148	49.65	ug/l	99
3) Chloromethane	1.32	50	130744	45.53	ug/l	99
4) Vinyl Chloride	1.41	62	137286	45.06	ug/l	100
5) Bromomethane	1.64	94	101628	54.75	ug/l	99
6) Chloroethane	1.73	64	84487	44.05	ug/l	97
7) Trichlorofluoromethane	1.93	101	233379	47.43	ug/l	99
8) Diethyl Ether	2.20	74	81739	43.20	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	133524	49.25	ug/l	100
10) Methyl Iodide	2.51	142	124938	45.14	ug/l	99
11) Tert butyl alcohol	3.07	59	141690	177.27	ug/l	99
12) 1,1-Dichloroethene	2.38	96	118383	44.77	ug/l	95
13) Acrolein	2.30	56	50626	167.54	ug/l	97
14) Allyl chloride	2.73	41	218019	45.20	ug/l	97
15) Acrylonitrile	3.15	53	331705	194.34	ug/l	99
16) Acetone	2.45	43	345030	207.00	ug/l	100
17) Carbon Disulfide	2.57	76	313028	46.40	ug/l	100
18) Methyl Acetate	2.78	43	170540	40.89	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	415759	42.71	ug/l	100
20) Methylene Chloride	2.86	84	128280	41.32	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	128468	43.95	ug/l	99
22) Diisopropyl ether	3.88	45	427363	44.28	ug/l	96
23) Vinyl Acetate	3.83	43	1888720	230.68	ug/l	100
24) 1,1-Dichloroethane	3.70	63	232984	45.93	ug/l	99
25) 2-Butanone	4.71	43	492898	197.64	ug/l	99
26) 2,2-Dichloropropane	4.59	77	195992	49.09	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	144013	45.00	ug/l	98
28) Bromochloromethane	5.03	49	119979	52.75	ug/l	99
29) Tetrahydrofuran	5.17	42	307224	191.60	ug/l	99
30) Chloroform	5.23	83	247740	45.93	ug/l	100
31) Cyclohexane	5.58	56	214381	49.75	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	221862	47.65	ug/l	99
36) 1,1-Dichloropropene	5.81	75	188043	50.03	ug/l	99
37) Ethyl Acetate	4.87	43	190245	42.27	ug/l	99
38) Carbon Tetrachloride	5.79	117	202292	52.49	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	232114	55.80	ug/l	97
40) Benzene	6.15	78	537774	49.46	ug/l	97
41) Methacrylonitrile	5.07	41	110838	43.82	ug/l	99
42) 1,2-Dichloroethane	6.21	62	211009	48.16	ug/l	99
43) Isopropyl Acetate	6.47	43	325653	46.07	ug/l	100
44) Trichloroethene	7.22	130	164432	50.76	ug/l	98
45) 1,2-Dichloropropane	7.52	63	140365	49.08	ug/l	98
46) Dibromomethane	7.67	93	96479	48.72	ug/l	99
47) Bromodichloromethane	7.90	83	185340	51.51	ug/l	99
48) Methyl methacrylate	7.79	41	171875	45.74	ug/l	99
49) 1,4-Dioxane	7.76	88	58036	771.48	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1053855	226.96	ug/l	98
52) Toluene	8.79	92	363649	51.15	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	222879	53.29	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	210797	46.65	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	144395	48.00	ug/l	97
56) Ethyl methacrylate	9.19	69	219737	49.30	ug/l	98
57) 1,3-Dichloropropane	9.38	76	234832	48.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	488377	231.78	ug/l	99
59) 2-Hexanone	9.50	43	827190	227.36	ug/l	99
60) Dibromochloromethane	9.59	129	161499	46.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	156963	49.81	ug/l	99
64) Tetrachloroethene	9.34	164	174709	50.00	ug/l	99
65) Chlorobenzene	10.14	112	425158	49.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	154997	52.24	ug/l	99
67) Ethyl Benzene	10.26	91	722575	51.86	ug/l	98
68) m/p-Xylenes	10.37	106	578754	105.06	ug/l	99
69) o-Xylene	10.70	106	277522	51.94	ug/l	100
70) Styrene	10.72	104	465392	52.34	ug/l	99
71) Bromoform	10.86	173	133813	43.58	ug/l	100
73) Isopropylbenzene	11.02	105	766131	50.26	ug/l	100
74) N-amyl acetate	6.47	43	325653	42.39	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	222939	44.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	215983m	45.35	ug/l	
77) Bromobenzene	11.26	156	215667	47.71	ug/l	98
78) n-propylbenzene	11.37	91	881712	51.87	ug/l	100
79) 2-Chlorotoluene	11.43	91	511932	48.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	663250	51.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60914	41.63	ug/l	99
82) 4-Chlorotoluene	11.52	91	625149	49.91	ug/l	100
83) tert-Butylbenzene	11.77	119	646215	50.17	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	673802	50.79	ug/l	99
85) sec-Butylbenzene	11.95	105	795361	52.86	ug/l	100
86) p-Isopropyltoluene	12.07	119	736320	52.61	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	405392	49.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	414586	49.03	ug/l	100
89) n-Butylbenzene	12.39	91	657123	54.24	ug/l	100
90) Hexachloroethane	12.60	117	109634	48.64	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	397317	48.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50353	45.11	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	321814	50.05	ug/l	100
94) Hexachlorobutadiene	13.79	225	162293	53.69	ug/l	99
95) Naphthalene	13.84	128	837853	46.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	316072	49.39	ug/l	100

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

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