

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\
 Data File : VX002061.D
 Acq On : 27 May 2018 11:34
 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
 5/30/2018 1:50:33 PM

Quant Time: May 29 03:14:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	237049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	202152	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	5.51	113	160835	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
50) Toluene-d8	8.72	98	596577	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.14	95	241010	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	130522	42.32	ug/l	98
3) Chloromethane	1.32	50	220880	58.68	ug/l	100
4) Vinyl Chloride	1.41	62	168366	46.32	ug/l	99
5) Bromomethane	1.64	94	79222	47.30	ug/l	97
6) Chloroethane	1.72	64	109766	51.23	ug/l	99
7) Trichlorofluoromethane	1.93	101	271102	49.67	ug/l	99
8) Diethyl Ether	2.19	74	111094	56.10	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	152694	50.13	ug/l	98
10) Methyl Iodide	2.51	142	176185	42.75	ug/l	99
11) Tert butyl alcohol	3.07	59	217776	253.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	138785	48.67	ug/l	95
13) Acrolein	2.30	56	63532	171.18	ug/l	100
14) Allyl chloride	2.73	41	317639	53.07	ug/l	98
15) Acrylonitrile	3.15	53	460539	260.90	ug/l	99
16) Acetone	2.45	43	460576	272.90	ug/l	100
17) Carbon Disulfide	2.57	76	364584	44.42	ug/l	99
18) Methyl Acetate	2.78	43	239391	59.09	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	585586	54.60	ug/l	99
20) Methylene Chloride	2.86	84	295199	102.78	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	151409	54.69	ug/l	98
22) Diisopropyl ether	3.87	45	611224	50.20	ug/l	97
23) Vinyl Acetate	3.82	43	2709671	268.42	ug/l	99
24) 1,1-Dichloroethane	3.70	63	315068	54.48	ug/l	100
25) 2-Butanone	4.71	43	678397	219.31	ug/l	98
26) 2,2-Dichloropropane	4.59	77	255917	43.72	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	172001	46.26	ug/l	99
28) Bromochloromethane	5.02	49	130010	53.64	ug/l	99
29) Tetrahydrofuran	5.16	42	435338	216.31	ug/l	100
30) Chloroform	5.22	83	302202	46.38	ug/l	98
31) Cyclohexane	5.58	56	248209	41.19	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	263696	43.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	211084	43.33	ug/l	99
37) Ethyl Acetate	4.86	43	267945	42.19	ug/l	100
38) Carbon Tetrachloride	5.78	117	232882	40.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	257663	43.05	ug/l	98
40) Benzene	6.15	78	655682	45.94	ug/l	100
41) Methacrylonitrile	5.06	41	152244	45.29	ug/l	98
42) 1,2-Dichloroethane	6.20	62	260476	45.69	ug/l	100
43) Isopropyl Acetate	6.46	43	473331	44.73	ug/l	99
44) Trichloroethene	7.21	130	188520	45.33	ug/l	99
45) 1,2-Dichloropropane	7.52	63	184629	47.63	ug/l	99
46) Dibromomethane	7.67	93	122339	47.67	ug/l	99
47) Bromodichloromethane	7.90	83	245038	44.78	ug/l	100
48) Methyl methacrylate	7.78	41	238873	44.35	ug/l	99
49) 1,4-Dioxane	7.76	88	83930	884.25	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1450314	227.34	ug/l	100
52) Toluene	8.79	92	423858	46.66	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	294422	46.72	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	284023	46.25	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	179381	47.27	ug/l	98
56) Ethyl methacrylate	9.18	69	296610	45.44	ug/l	99
57) 1,3-Dichloropropane	9.38	76	300467	48.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	724010	250.27	ug/l	100
59) 2-Hexanone	9.50	43	1122950	228.28	ug/l	100
60) Dibromochloromethane	9.59	129	206308	45.90	ug/l	99
61) 1,2-Dibromoethane	9.68	107	190047	47.73	ug/l	99
64) Tetrachloroethene	9.34	164	218757	45.67	ug/l	99
65) Chlorobenzene	10.14	112	493116	46.59	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	193457	45.27	ug/l	100
67) Ethyl Benzene	10.26	91	846905	46.06	ug/l	99
68) m/p-Xylenes	10.36	106	656587	93.41	ug/l	100
69) o-Xylene	10.70	106	326859	46.57	ug/l	100
70) Styrene	10.71	104	553316	47.54	ug/l	99
71) Bromoform	10.86	173	171905	42.42	ug/l #	99
73) Isopropylbenzene	11.02	105	864739	43.08	ug/l	100
74) N-amyl acetate	6.46	43	473331	45.15	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	264786	48.18	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	284933m	50.04	ug/l	
77) Bromobenzene	11.26	156	240926	45.24	ug/l	97
78) n-propylbenzene	11.37	91	996130	44.31	ug/l	100
79) 2-Chlorotoluene	11.43	91	604101	48.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	753285	43.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	93894	39.63	ug/l	95
82) 4-Chlorotoluene	11.51	91	716903	45.21	ug/l	100
83) tert-Butylbenzene	11.77	119	722456	42.92	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	788235	44.46	ug/l	100
85) sec-Butylbenzene	11.95	105	889985	43.98	ug/l	100
86) p-Isopropyltoluene	12.07	119	811564	44.82	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	438227	45.95	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	445407	46.71	ug/l	99
89) n-Butylbenzene	12.39	91	709207	46.22	ug/l	99
90) Hexachloroethane	12.60	117	142675	39.94	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	450675	46.38	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	68813	38.56	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	335307	48.25	ug/l	100
94) Hexachlorobutadiene	13.79	225	167231	44.74	ug/l	99
95) Naphthalene	13.84	128	966727	45.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	340179	47.31	ug/l	99

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

