

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002158.D
 Acq On : 31 May 2018 01:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:48 PM

Quant Time: May 31 06:44:25 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	170952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	258216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	246014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	143367	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	5.51	113	108568	42.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.10%	
50) Toluene-d8	8.72	98	394893	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
62) 4-Bromofluorobenzene	11.14	95	157259	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85914	39.74	ug/l	100
3) Chloromethane	1.32	50	129021	49.05	ug/l	100
4) Vinyl Chloride	1.40	62	127748	50.30	ug/l	100
5) Bromomethane	1.64	94	65730	56.35	ug/l	98
6) Chloroethane	1.71	64	85952	57.41	ug/l	98
7) Trichlorofluoromethane	1.92	101	198662	52.09	ug/l	99
8) Diethyl Ether	2.19	74	88051	63.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110971	52.14	ug/l	97
10) Methyl Iodide	2.51	142	120488	41.84	ug/l	98
11) Tert butyl alcohol	3.09	59	221716	369.63	ug/l	98
12) 1,1-Dichloroethene	2.37	96	106965	53.68	ug/l	97
13) Acrolein	2.30	56	66082	254.80	ug/l	98
14) Allyl chloride	2.73	41	248550	59.42	ug/l	98
15) Acrylonitrile	3.15	53	448918	363.95	ug/l	99
16) Acetone	2.45	43	432809	367.00	ug/l	100
17) Carbon Disulfide	2.57	76	254893	44.45	ug/l	100
18) Methyl Acetate	2.78	43	222319	78.91	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	471740	62.95	ug/l	100
20) Methylene Chloride	2.85	84	138906	68.65	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	118863	61.64	ug/l	98
22) Diisopropyl ether	3.88	45	459767	54.04	ug/l	99
23) Vinyl Acetate	3.83	43	2056966	291.61	ug/l	98
24) 1,1-Dichloroethane	3.70	63	221808	54.88	ug/l	99
25) 2-Butanone	4.71	43	635510	294.02	ug/l	99
26) 2,2-Dichloropropane	4.59	77	144261	35.27	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	130911	50.38	ug/l	97
28) Bromochloromethane	5.02	49	112413	66.89	ug/l	99
29) Tetrahydrofuran	5.17	42	416767	296.36	ug/l	99
30) Chloroform	5.22	83	236987	52.05	ug/l	99
31) Cyclohexane	5.58	56	184028	43.71	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	196887	46.38	ug/l	99
36) 1,1-Dichloropropene	5.81	75	156362	43.53	ug/l	98
37) Ethyl Acetate	4.87	43	242749	51.84	ug/l	99
38) Carbon Tetrachloride	5.79	117	168296	40.18	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182021	41.25	ug/l	96
40) Benzene	6.15	78	514597	48.90	ug/l	99
41) Methacrylonitrile	5.07	41	137927	55.98	ug/l	99
42) 1,2-Dichloroethane	6.20	62	209037	49.73	ug/l	99
43) Isopropyl Acetate	6.47	43	396290	50.79	ug/l	99
44) Trichloroethene	7.22	130	141744	46.23	ug/l	97
45) 1,2-Dichloropropane	7.52	63	141361	49.47	ug/l	98
46) Dibromomethane	7.67	93	93603	49.47	ug/l	99
47) Bromodichloromethane	7.90	83	176439	43.74	ug/l	99
48) Methyl methacrylate	7.78	41	203146	51.16	ug/l	98
49) 1,4-Dioxane	7.76	88	83754	1196.91	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1317922	280.22	ug/l	100
52) Toluene	8.79	92	325385	48.59	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	205812	44.30	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	196662	43.44	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	141412	50.55	ug/l	99
56) Ethyl methacrylate	9.19	69	237352	49.33	ug/l	99
57) 1,3-Dichloropropane	9.38	76	234964	50.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	525564	246.43	ug/l	99
59) 2-Hexanone	9.50	43	1035619	285.57	ug/l	99
60) Dibromochloromethane	9.59	129	146861	44.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	151461	51.60	ug/l	100
64) Tetrachloroethene	9.34	164	163846	46.45	ug/l	100
65) Chlorobenzene	10.14	112	371200	47.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	143515	45.60	ug/l	99
67) Ethyl Benzene	10.26	91	636141	46.97	ug/l	99
68) m/p-Xylenes	10.37	106	490648	94.78	ug/l	100
69) o-Xylene	10.70	106	248548	48.09	ug/l	100
70) Styrene	10.72	104	414012	48.30	ug/l	100
71) Bromoform	10.86	173	119712	40.11	ug/l #	99
73) Isopropylbenzene	11.02	105	636622	46.65	ug/l	100
74) N-amyl acetate	6.47	43	396290	56.37	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	213774	57.46	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	227340m	58.73	ug/l	
77) Bromobenzene	11.26	156	180102	49.74	ug/l	97
78) n-propylbenzene	11.37	91	704870	46.11	ug/l	100
79) 2-Chlorotoluene	11.43	91	445560	53.29	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	549712	47.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	62012	38.50	ug/l	89
82) 4-Chlorotoluene	11.52	91	514986	47.77	ug/l	100
83) tert-Butylbenzene	11.77	119	522743	45.67	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	571813	47.44	ug/l	100
85) sec-Butylbenzene	11.95	105	626836	45.56	ug/l	99
86) p-Isopropyltoluene	12.07	119	561597	45.62	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	310967	47.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	315441	48.65	ug/l	99
89) n-Butylbenzene	12.39	91	460028	44.10	ug/l	99
90) Hexachloroethane	12.60	117	89803	36.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	327846	49.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54963	45.30	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	219177	46.39	ug/l	99
94) Hexachlorobutadiene	13.79	225	104049	40.94	ug/l	100
95) Naphthalene	13.84	128	738914	50.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	229445	46.93	ug/l	100

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

