

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032318\
 Data File : VX000432.D
 Acq On : 23 Mar 2018 17:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 3/26/2018 2:36:37 PM

Quant Time: Mar 24 06:49:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	134062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	210515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133518	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	84327	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	5.51	113	68029	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	8.73	98	277668	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.15	95	108848	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	64064	43.36	ug/l	99
3) Chloromethane	1.32	50	55656	35.76	ug/l	95
4) Vinyl Chloride	1.41	62	81006	49.25	ug/l	98
5) Bromomethane	1.64	94	46632	23.71	ug/l	99
6) Chloroethane	1.72	64	54053	54.79	ug/l	100
7) Trichlorofluoromethane	1.93	101	146184	49.24	ug/l	98
8) Diethyl Ether	2.19	74	51052	48.12	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82814	50.03	ug/l	100
10) Methyl Iodide	2.51	142	20786	15.87	ug/l	99
11) Tert butyl alcohol	3.07	59	154864	257.27	ug/l	99
12) 1,1-Dichloroethene	2.38	96	71300	49.07	ug/l	96
13) Acrolein	2.30	56	41766	219.21	ug/l	98
14) Allyl chloride	2.73	41	130883	51.00	ug/l	98
15) Acrylonitrile	3.15	53	301401	247.22	ug/l	100
16) Acetone	2.45	43	381815	262.28	ug/l	96
17) Carbon Disulfide	2.57	76	184058	47.62	ug/l	100
18) Methyl Acetate	2.78	43	157277	51.53	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	265818	49.46	ug/l	99
20) Methylene Chloride	2.86	84	87383	51.97	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	75772	46.75	ug/l	92
22) Diisopropyl ether	3.88	45	253630	55.84	ug/l	99
23) Vinyl Acetate	3.83	43	1229456	285.50	ug/l	99
24) 1,1-Dichloroethane	3.70	63	146058	51.14	ug/l	99
25) 2-Butanone	4.71	43	402504	245.98	ug/l	100
26) 2,2-Dichloropropane	4.59	77	100130	50.02	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	70768	46.71	ug/l	99
28) Bromochloromethane	5.03	49	56777	48.21	ug/l	99
29) Tetrahydrofuran	5.18	42	244343	242.70	ug/l	99
30) Chloroform	5.23	83	132031	49.33	ug/l	98
31) Cyclohexane	5.59	56	101207	45.84	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	116006	48.04	ug/l	99
36) 1,1-Dichloropropene	5.81	75	96002	48.68	ug/l	99
37) Ethyl Acetate	4.87	43	130565	48.47	ug/l	100
38) Carbon Tetrachloride	5.79	117	103180	49.88	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	118174	49.28	ug/l	98
40) Benzene	6.15	78	283725	49.55	ug/l	99
41) Methacrylonitrile	5.07	41	68823	48.46	ug/l	99
42) 1,2-Dichloroethane	6.21	62	111624	49.68	ug/l	100
43) Isopropyl Acetate	6.48	43	203116	50.66	ug/l	98
44) Trichloroethene	7.22	130	79069	48.20	ug/l	99
45) 1,2-Dichloropropane	7.52	63	73941	50.44	ug/l	98
46) Dibromomethane	7.67	93	56931	49.48	ug/l	98
47) Bromodichloromethane	7.91	83	107293	53.00	ug/l	94
48) Methyl methacrylate	7.79	41	100891	51.83	ug/l	99
49) 1,4-Dioxane	7.77	88	44233	1081.06	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	821536	264.71	ug/l	99
52) Toluene	8.79	92	203922	50.94	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	122517	52.23	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	121635	53.46	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	83807	50.91	ug/l	97
56) Ethyl methacrylate	9.19	69	132044	52.93	ug/l	99
57) 1,3-Dichloropropane	9.38	76	137259	52.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	313406	261.76	ug/l	99
59) 2-Hexanone	9.51	43	706497	268.10	ug/l	99
60) Dibromochloromethane	9.59	129	91453	47.19	ug/l	100
61) 1,2-Dibromoethane	9.68	107	93231	52.81	ug/l	98
64) Tetrachloroethene	9.34	164	78019	45.23	ug/l	95
65) Chlorobenzene	10.15	112	235942	47.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	84402	50.24	ug/l	98
67) Ethyl Benzene	10.26	91	409196	48.80	ug/l	99
68) m/p-Xylenes	10.37	106	324394	98.31	ug/l	99
69) o-Xylene	10.71	106	155783	48.76	ug/l	98
70) Styrene	10.72	104	262856	49.72	ug/l	99
71) Bromoform	10.87	173	72306	42.13	ug/l #	96
73) Isopropylbenzene	11.02	105	437648	49.47	ug/l	99
74) N-amyl acetate	6.48	43	203116	52.86	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	154663	49.43	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	138002m	48.09	ug/l	
77) Bromobenzene	11.26	156	107552	45.64	ug/l	98
78) n-propylbenzene	11.37	91	520656	49.36	ug/l	99
79) 2-Chlorotoluene	11.43	91	288389	47.33	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	379077	50.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	44332	50.02	ug/l	95
82) 4-Chlorotoluene	11.52	91	353221	48.55	ug/l	97
83) tert-Butylbenzene	11.78	119	374679	49.94	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	398022	51.04	ug/l	100
85) sec-Butylbenzene	11.96	105	476493	51.33	ug/l	100
86) p-Isopropyltoluene	12.07	119	429476	52.10	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	214455	48.13	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	222057	47.47	ug/l	97
89) n-Butylbenzene	12.40	91	401294	52.28	ug/l	99
90) Hexachloroethane	12.60	117	69246	53.37	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	216810	49.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45034	51.61	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	146011	46.62	ug/l	99
94) Hexachlorobutadiene	13.79	225	67126	51.76	ug/l	98
95) Naphthalene	13.84	128	546818	50.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	152734	49.35	ug/l	99

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

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