

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000318.D
 Acq On : 14 Mar 2018 17:16
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 3/15/2018 3:37:04 PM

Quant Time: Mar 15 03:10:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	122839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	211347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	132778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	81846	62.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.20%	
35) Dibromofluoromethane	5.52	113	64047	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	8.73	98	266204	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	11.15	95	106459	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61836	58.72	ug/l	100
3) Chloromethane	1.32	50	61848	53.94	ug/l	100
4) Vinyl Chloride	1.41	62	75031	62.81	ug/l	100
5) Bromomethane	1.64	94	83722	82.58	ug/l	100
6) Chloroethane	1.73	64	48458	72.61	ug/l	100
7) Trichlorofluoromethane	1.93	101	127490	63.58	ug/l	100
8) Diethyl Ether	2.20	74	44351	64.69	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68904	60.12	ug/l	100
10) Methyl Iodide	2.51	142	75166	51.25	ug/l	100
11) Tert butyl alcohol	3.08	59	130137	275.96	ug/l	100
12) 1,1-Dichloroethene	2.38	96	64572	63.15	ug/l	100
13) Acrolein	2.30	56	53881	208.70	ug/l	100
14) Allyl chloride	2.73	41	114823	59.28	ug/l	100
15) Acrylonitrile	3.16	53	255940	317.00	ug/l	100
16) Acetone	2.45	43	279886	283.74	ug/l	100
17) Carbon Disulfide	2.57	76	190156	58.61	ug/l	100
18) Methyl Acetate	2.78	43	121093	61.35	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	228235	62.93	ug/l	100
20) Methylene Chloride	2.87	84	71053	61.18	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	70582	62.02	ug/l	100
22) Diisopropyl ether	3.88	45	173561	52.71	ug/l	100
23) Vinyl Acetate	3.84	43	841612	288.01	ug/l	100
24) 1,1-Dichloroethane	3.70	63	119057	62.70	ug/l	100
25) 2-Butanone	4.72	43	327130	248.98	ug/l	100
26) 2,2-Dichloropropane	4.59	77	84475	50.47	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	63019	53.38	ug/l	100
28) Bromochloromethane	5.03	49	55729	62.28	ug/l	100
29) Tetrahydrofuran	5.18	42	207583	257.54	ug/l	100
30) Chloroform	5.23	83	114231	57.31	ug/l	100
31) Cyclohexane	5.59	56	92044	53.08	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	102628	55.40	ug/l	100
36) 1,1-Dichloropropene	5.81	75	87742	48.67	ug/l	100
37) Ethyl Acetate	4.87	43	115038	45.81	ug/l	100
38) Carbon Tetrachloride	5.79	117	90307	45.89	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	102638	45.22	ug/l	100
40) Benzene	6.15	78	253476	49.57	ug/l	100
41) Methacrylonitrile	5.07	41	60029	45.48	ug/l	100
42) 1,2-Dichloroethane	6.21	62	98960	53.33	ug/l	100
43) Isopropyl Acetate	6.48	43	174047	46.67	ug/l	100
44) Trichloroethene	7.23	130	70330	43.55	ug/l	100
45) 1,2-Dichloropropane	7.52	63	63258	48.06	ug/l	100
46) Dibromomethane	7.67	93	49173	50.09	ug/l	100
47) Bromodichloromethane	7.91	83	90764	48.84	ug/l	100
48) Methyl methacrylate	7.79	41	85903	46.54	ug/l	100
49) 1,4-Dioxane	7.77	88	38131	818.45	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	666762	251.95	ug/l	100
52) Toluene	8.79	92	175405	51.24	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	107701	48.55	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	107938	49.68	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	71464	50.40	ug/l	100
56) Ethyl methacrylate	9.19	69	110162	48.63	ug/l	100
57) 1,3-Dichloropropane	9.38	76	116456	51.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	256119	242.67	ug/l	100
59) 2-Hexanone	9.51	43	571881	251.53	ug/l	100
60) Dibromochloromethane	9.59	129	78909	47.51	ug/l	100
61) 1,2-Dibromoethane	9.68	107	80505	51.62	ug/l	100
64) Tetrachloroethene	9.34	164	68488	38.47	ug/l	100
65) Chlorobenzene	10.15	112	207416	46.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	71428	43.69	ug/l	100
67) Ethyl Benzene	10.26	91	354173	47.97	ug/l	100
68) m/p-Xylenes	10.37	106	280787	96.18	ug/l	100
69) o-Xylene	10.71	106	135908	48.22	ug/l	100
70) Styrene	10.72	104	229091	48.42	ug/l	100
71) Bromoform	10.87	173	62542	36.30	ug/l #	100
73) Isopropylbenzene	11.02	105	371009	46.44	ug/l	100
74) N-amyl acetate	6.48	43	174047	41.25	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	131452	46.74	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	118186m	34.62	ug/l	
77) Bromobenzene	11.26	156	95491	42.01	ug/l	100
78) n-propylbenzene	11.37	91	446992	47.53	ug/l	100
79) 2-Chlorotoluene	11.43	91	253689	46.86	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	327085	47.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	38851	39.46	ug/l	100
82) 4-Chlorotoluene	11.52	91	317050	48.29	ug/l	100
83) tert-Butylbenzene	11.78	119	313026	44.92	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	337433	47.54	ug/l	100
85) sec-Butylbenzene	11.96	105	395473	46.92	ug/l	100
86) p-Isopropyltoluene	12.07	119	359729	45.83	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	187458	42.86	ug/l	100
88) 1,4-Dichlorobenzene	12.11	146	201639	44.19	ug/l	100
89) n-Butylbenzene	12.40	91	336311	46.32	ug/l	100
90) Hexachloroethane	12.60	117	56622	44.91	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	188881	44.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	36146	41.70	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	130659	35.74	ug/l	100
94) Hexachlorobutadiene	13.79	225	49285	25.46	ug/l	100
95) Naphthalene	13.85	128	471004	43.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	128319	36.16	ug/l	100

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

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