

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000084.D
 Acq On : 13 Feb 2018 19:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:28:09 PM

Quant Time: Feb 14 03:06:45 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 23:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	110360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	179780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	176178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	102658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	61009	52.91	ug/l	0.00
Spiked Amount						
			Recovery	=	105.82%	
35) Dibromofluoromethane	5.52	113	53058	50.55	ug/l	0.00
Spiked Amount						
			Recovery	=	101.10%	
50) Toluene-d8	8.73	98	196654	50.34	ug/l	0.00
Spiked Amount						
			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.15	95	80431	50.63	ug/l	0.00
Spiked Amount						
			Recovery	=	101.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	48581	48.58	ug/l	96
3) Chloromethane	1.32	50	50818	49.91	ug/l	98
4) Vinyl Chloride	1.41	62	59125	51.52	ug/l	98
5) Bromomethane	1.64	94	47798	77.98	ug/l	99
6) Chloroethane	1.72	64	38132	55.27	ug/l	99
7) Trichlorofluoromethane	1.93	101	104827	52.42	ug/l	98
8) Diethyl Ether	2.20	74	36842	50.89	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57376	50.79	ug/l	98
10) Methyl Iodide	2.51	142	67425	49.18	ug/l	100
11) Tert butyl alcohol	3.09	59	135296	293.23	ug/l	100
12) 1,1-Dichloroethene	2.38	96	54352	50.76	ug/l	99
13) Acrolein	2.30	56	46465	196.20	ug/l	96
14) Allyl chloride	2.73	41	95700	51.30	ug/l	98
15) Acrylonitrile	3.16	53	225576	280.61	ug/l	99
16) Acetone	2.45	43	213462	312.69	ug/l	97
17) Carbon Disulfide	2.57	76	151086	48.43	ug/l	99
18) Methyl Acetate	2.79	43	106263	61.73	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	192760	52.60	ug/l	98
20) Methylene Chloride	2.86	84	59021	51.64	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	59148	51.32	ug/l	96
22) Diisopropyl ether	3.89	45	157899	51.25	ug/l	99
23) Vinyl Acetate	3.84	43	741575	266.26	ug/l	99
24) 1,1-Dichloroethane	3.70	63	97509	50.92	ug/l	98
25) 2-Butanone	4.72	43	313584	304.36	ug/l	96
26) 2,2-Dichloropropane	4.60	77	83530	50.90	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	58505	51.80	ug/l	97
28) Bromochloromethane	5.04	49	32369	50.97	ug/l	95
29) Tetrahydrofuran	5.18	42	204631	289.84	ug/l	99
30) Chloroform	5.23	83	104557	54.16	ug/l	96
31) Cyclohexane	5.59	56	79919	50.80	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	95459	52.54	ug/l	98
36) 1,1-Dichloropropene	5.81	75	76798	49.06	ug/l	99
37) Ethyl Acetate	4.88	43	106137	52.51	ug/l	99
38) Carbon Tetrachloride	5.79	117	87183	49.60	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	93883	49.40	ug/l	98
40) Benzene	6.16	78	224373	50.72	ug/l	99
41) Methacrylonitrile	5.07	41	54713	52.70	ug/l	100
42) 1,2-Dichloroethane	6.21	62	83179	52.63	ug/l	99
43) Isopropyl Acetate	6.48	43	157753	51.76	ug/l	99
44) Trichloroethene	7.22	130	67074	49.00	ug/l	100
45) 1,2-Dichloropropane	7.53	63	56331	52.37	ug/l	97
46) Dibromomethane	7.67	93	43176	52.01	ug/l	95
47) Bromodichloromethane	7.91	83	82913	51.36	ug/l	97
48) Methyl methacrylate	7.79	41	76457	51.11	ug/l	98
49) 1,4-Dioxane	7.77	88	42729	1072.32	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	599897	282.49	ug/l	98
52) Toluene	8.79	92	155132	52.20	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	97462	51.61	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	97299	53.01	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	64095	51.43	ug/l	98
56) Ethyl methacrylate	9.19	69	101472	53.08	ug/l	98
57) 1,3-Dichloropropane	9.38	76	102376	52.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	245487	259.98	ug/l	100
59) 2-Hexanone	9.51	43	505111	292.45	ug/l	99
60) Dibromochloromethane	9.59	129	75385	52.60	ug/l	99
61) 1,2-Dibromoethane	9.68	107	72256	52.64	ug/l	98
64) Tetrachloroethene	9.34	164	64530	49.20	ug/l	97
65) Chlorobenzene	10.15	112	184000	50.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	67789	51.49	ug/l	99
67) Ethyl Benzene	10.26	91	307288	50.63	ug/l	100
68) m/p-Xylenes	10.37	106	245740	101.65	ug/l	99
69) o-Xylene	10.71	106	119112	51.04	ug/l	100
70) Styrene	10.72	104	201973	51.24	ug/l	99
71) Bromoform	10.87	173	64654	51.90	ug/l #	98
73) Isopropylbenzene	11.02	105	318081	48.83	ug/l	100
74) N-amyl acetate	6.48	43	157753	48.39	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	111292	50.22	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	100688m	52.08	ug/l	
77) Bromobenzene	11.26	156	88088	49.84	ug/l	99
78) n-propylbenzene	11.37	91	373641	49.47	ug/l	100
79) 2-Chlorotoluene	11.43	91	214369	49.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	271146	49.69	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	39670	50.77	ug/l	93
82) 4-Chlorotoluene	11.52	91	257585	49.36	ug/l	99
83) tert-Butylbenzene	11.78	119	272824	49.48	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	276901	49.58	ug/l	100
85) sec-Butylbenzene	11.96	105	337406	49.73	ug/l	100
86) p-Isopropyltoluene	12.07	119	299861	49.15	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	164587	49.43	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	169293	49.68	ug/l	99
89) n-Butylbenzene	12.40	91	276453	48.51	ug/l	100
90) Hexachloroethane	12.60	117	53057	49.73	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	160841	49.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	32008	50.45	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	119173	47.82	ug/l	98
94) Hexachlorobutadiene	13.79	225	55778	47.45	ug/l	98
95) Naphthalene	13.84	128	406300	50.16	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	117508	48.46	ug/l	99

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

