

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041418\
 Data File : VX000887.D
 Acq On : 14 Apr 2018 20:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:51:34 PM

Quant Time: Apr 16 07:34:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	211860	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	143794	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.48%		
35) Dibromofluoromethane	5.51	113	124003	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.68%		
50) Toluene-d8	8.73	98	452536	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.70%		
62) 4-Bromofluorobenzene	11.15	95	184286	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.18%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	126143	47.27	ug/l	99
3) Chloromethane	1.32	50	108704	47.51	ug/l	99
4) Vinyl Chloride	1.40	62	127076	49.38	ug/l	99
5) Bromomethane	1.64	94	44251	41.30	ug/l	99
6) Chloroethane	1.72	64	76676	49.16	ug/l	99
7) Trichlorofluoromethane	1.93	101	187002	48.16	ug/l	98
8) Diethyl Ether	2.19	74	72728	50.14	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	110577	48.30	ug/l	98
10) Methyl Iodide	2.51	142	38515	26.29	ug/l	98
11) Tert butyl alcohol	3.09	59	142261	268.81	ug/l	99
12) 1,1-Dichloroethene	2.37	96	104715	48.26	ug/l	99
13) Acrolein	2.30	56	41358	160.93	ug/l	95
14) Allyl chloride	2.73	41	193107	48.13	ug/l	97
15) Acrylonitrile	3.16	53	322047	285.43	ug/l	99
16) Acetone	2.45	43	267045	259.79	ug/l	99
17) Carbon Disulfide	2.57	76	266339	40.54	ug/l	100
18) Methyl Acetate	2.79	43	164754	61.94	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	367350	50.83	ug/l	99
20) Methylene Chloride	2.86	84	117657	49.21	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	113164	47.30	ug/l	98
22) Diisopropyl ether	3.89	45	389794	52.87	ug/l	97
23) Vinyl Acetate	3.84	43	1692864	261.51	ug/l	99
24) 1,1-Dichloroethane	3.70	63	205758	49.73	ug/l	100
25) 2-Butanone	4.73	43	476926	280.96	ug/l	99
26) 2,2-Dichloropropane	4.59	77	152522	37.14	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	137743	50.73	ug/l	97
28) Bromochloromethane	5.03	49	83511	50.13	ug/l	99
29) Tetrahydrofuran	5.18	42	308119	285.88	ug/l	100
30) Chloroform	5.23	83	226194	51.64	ug/l	98
31) Cyclohexane	5.58	56	185464	47.20	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	203531	48.77	ug/l	100
36) 1,1-Dichloropropene	5.81	75	167245	47.03	ug/l	99
37) Ethyl Acetate	4.88	43	186344	53.67	ug/l	100
38) Carbon Tetrachloride	5.79	117	180842	45.43	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	193196	45.24	ug/l	100
40) Benzene	6.15	78	491871	49.78	ug/l	99
41) Methacrylonitrile	5.07	41	107600	53.65	ug/l	99
42) 1,2-Dichloroethane	6.21	62	183724	49.78	ug/l	100
43) Isopropyl Acetate	6.48	43	302089	50.75	ug/l	100
44) Trichloroethene	7.22	130	150246	48.89	ug/l	98
45) 1,2-Dichloropropane	7.53	63	127507	50.67	ug/l	97
46) Dibromomethane	7.67	93	86774	49.46	ug/l	99
47) Bromodichloromethane	7.91	83	169047	47.75	ug/l	98
48) Methyl methacrylate	7.79	41	160658	52.07	ug/l	98
49) 1,4-Dioxane	7.77	88	65498	1056.40	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	972823	278.24	ug/l	98
52) Toluene	8.79	92	324492	49.50	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	197459	46.50	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	190546	46.08	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	133790	51.41	ug/l	98
56) Ethyl methacrylate	9.19	69	206047	51.32	ug/l	98
57) 1,3-Dichloropropane	9.38	76	216242	52.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	493657	263.18	ug/l	99
59) 2-Hexanone	9.51	43	745011	276.01	ug/l	100
60) Dibromochloromethane	9.59	129	147260	47.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	142688	51.68	ug/l	99
64) Tetrachloroethene	9.34	164	154973	50.72	ug/l	98
65) Chlorobenzene	10.15	112	385894	49.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	141859	47.95	ug/l	99
67) Ethyl Benzene	10.26	91	632445	48.26	ug/l	100
68) m/p-Xylenes	10.37	106	499873	96.63	ug/l	100
69) o-Xylene	10.71	106	243083	48.76	ug/l	99
70) Styrene	10.72	104	414047	49.26	ug/l	99
71) Bromoform	10.87	173	124713	45.52	ug/l	100
73) Isopropylbenzene	11.02	105	652874	48.58	ug/l	100
74) N-amyl acetate	6.48	43	302089	49.91	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	202942	52.03	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	184687m	50.55	ug/l	
77) Bromobenzene	11.26	156	192313	48.82	ug/l	99
78) n-propylbenzene	11.37	91	735041	47.81	ug/l	100
79) 2-Chlorotoluene	11.43	91	438692	48.28	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	556108	48.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	55231	41.58	ug/l	95
82) 4-Chlorotoluene	11.52	91	524792	47.85	ug/l	100
83) tert-Butylbenzene	11.78	119	568205	48.05	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	571855	47.92	ug/l	100
85) sec-Butylbenzene	11.95	105	671399	48.13	ug/l	100
86) p-Isopropyltoluene	12.07	119	612358	47.07	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	351152	48.17	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	359208	48.08	ug/l	98
89) n-Butylbenzene	12.40	91	539462	46.98	ug/l	100
90) Hexachloroethane	12.60	117	93920	42.67	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	348508	49.52	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	46648	47.73	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	287270	47.83	ug/l	99
94) Hexachlorobutadiene	13.79	225	138552	46.92	ug/l	98
95) Naphthalene	13.84	128	800673	51.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	288313	49.43	ug/l	99

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

