

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041518\
 Data File : VX000911.D
 Acq On : 15 Apr 2018 21:16
 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

apatel
 4/16/2018 3:35:11 PM

Quant Time: Apr 16 07:47:10 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	250921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218389	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	149496	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	5.51	113	127886	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.72	98	466848	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.15	95	190479	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	133469	47.12	ug/l	100
3) Chloromethane	1.32	50	116068	47.79	ug/l	99
4) Vinyl Chloride	1.41	62	135472	49.59	ug/l	97
5) Bromomethane	1.64	94	78448	69.93	ug/l	98
6) Chloroethane	1.73	64	82266	49.69	ug/l	100
7) Trichlorofluoromethane	1.93	101	205292	49.81	ug/l	98
8) Diethyl Ether	2.19	74	78052	50.70	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	122133	50.26	ug/l	99
10) Methyl Iodide	2.52	142	85385	45.95	ug/l	99
11) Tert butyl alcohol	3.07	59	110524	196.76	ug/l	100
12) 1,1-Dichloroethene	2.38	96	112390	48.80	ug/l	99
13) Acrolein	2.30	56	37907	138.96	ug/l	96
14) Allyl chloride	2.73	41	204897	48.12	ug/l	100
15) Acrylonitrile	3.15	53	298802	249.50	ug/l	99
16) Acetone	2.45	43	240203	220.16	ug/l	100
17) Carbon Disulfide	2.57	76	288716	41.40	ug/l	99
18) Methyl Acetate	2.78	43	152686	54.08	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	396344	51.67	ug/l	99
20) Methylene Chloride	2.86	84	125300	49.38	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	123568	48.66	ug/l	99
22) Diisopropyl ether	3.87	45	425748	54.40	ug/l	94
23) Vinyl Acetate	3.83	43	1750111	254.71	ug/l	99
24) 1,1-Dichloroethane	3.70	63	229400	52.24	ug/l	100
25) 2-Butanone	4.71	43	419325	232.74	ug/l	99
26) 2,2-Dichloropropane	4.59	77	186627	42.82	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	148065	51.38	ug/l	97
28) Bromochloromethane	5.03	49	87946	49.73	ug/l	99
29) Tetrahydrofuran	5.17	42	269735	235.78	ug/l	99
30) Chloroform	5.23	83	240520	51.73	ug/l	96
31) Cyclohexane	5.59	56	200633	48.11	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	219716	49.60	ug/l	100
36) 1,1-Dichloropropene	5.81	75	181988	48.48	ug/l	98
37) Ethyl Acetate	4.87	43	171218	46.72	ug/l	100
38) Carbon Tetrachloride	5.79	117	193277	46.00	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	203075	45.05	ug/l	97
40) Benzene	6.15	78	524785	50.32	ug/l	100
41) Methacrylonitrile	5.07	41	102575	48.45	ug/l	99
42) 1,2-Dichloroethane	6.20	62	194693	49.98	ug/l	99
43) Isopropyl Acetate	6.47	43	299094	47.61	ug/l	100
44) Trichloroethene	7.22	130	159139	49.06	ug/l	98
45) 1,2-Dichloropropane	7.52	63	136609	51.44	ug/l	96
46) Dibromomethane	7.67	93	92180	49.78	ug/l	99
47) Bromodichloromethane	7.90	83	180583	48.32	ug/l	97
48) Methyl methacrylate	7.79	41	156471	48.05	ug/l	99
49) 1,4-Dioxane	7.76	88	48740	744.77	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	897103	243.09	ug/l	100
52) Toluene	8.79	92	346011	50.01	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	217603	48.54	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	205567	47.09	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	139532	50.80	ug/l	99
56) Ethyl methacrylate	9.19	69	209992	49.56	ug/l	98
57) 1,3-Dichloropropane	9.38	76	225520	51.64	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	526381	265.87	ug/l	100
59) 2-Hexanone	9.51	43	661127	232.05	ug/l	100
60) Dibromochloromethane	9.59	129	157099	47.80	ug/l	100
61) 1,2-Dibromoethane	9.68	107	148027	50.80	ug/l	99
64) Tetrachloroethene	9.34	164	162178	51.02	ug/l	100
65) Chlorobenzene	10.15	112	411883	50.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	150617	48.93	ug/l	100
67) Ethyl Benzene	10.26	91	682285	50.04	ug/l	99
68) m/p-Xylenes	10.37	106	535138	99.44	ug/l	100
69) o-Xylene	10.71	106	261558	50.43	ug/l	100
70) Styrene	10.72	104	441453	50.48	ug/l	99
71) Bromoform	10.87	173	127914	44.88	ug/l	99
73) Isopropylbenzene	11.02	105	703328	50.77	ug/l	100
74) N-amyl acetate	6.47	43	299094	47.94	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	199135	49.53	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	185870m	49.35	ug/l	
77) Bromobenzene	11.26	156	204120	50.27	ug/l	100
78) n-propylbenzene	11.37	91	789761	49.84	ug/l	100
79) 2-Chlorotoluene	11.43	91	468288	50.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	592545	49.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	57023	41.65	ug/l	95
82) 4-Chlorotoluene	11.52	91	553899	48.99	ug/l	100
83) tert-Butylbenzene	11.77	119	605698	49.69	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	613489	49.87	ug/l	99
85) sec-Butylbenzene	11.95	105	701993	48.82	ug/l	100
86) p-Isopropyltoluene	12.07	119	649153	48.41	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	377266	50.20	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	384640	49.94	ug/l	99
89) n-Butylbenzene	12.40	91	561836	47.47	ug/l	100
90) Hexachloroethane	12.60	117	98523	43.42	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	370283	51.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	42113	41.80	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	302963	48.94	ug/l	99
94) Hexachlorobutadiene	13.79	225	128836	42.32	ug/l	100
95) Naphthalene	13.84	128	776921	48.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	296049	49.24	ug/l	99

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

