

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000434.D
 Acq On : 26 Mar 2018 11:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 3/27/2018 5:23:48 PM

Quant Time: Mar 27 07:00:47 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	5.68	168	149728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	239196	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	237413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	98120	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	5.51	113	77374	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	8.73	98	303686	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.15	95	121594	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81719	49.52	ug/l	98
3) Chloromethane	1.32	50	64656	37.19	ug/l	97
4) Vinyl Chloride	1.41	62	86728	47.22	ug/l	97
5) Bromomethane	1.64	94	80688	36.70	ug/l	95
6) Chloroethane	1.73	64	55482	50.95	ug/l	100
7) Trichlorofluoromethane	1.93	101	149450	45.08	ug/l	97
8) Diethyl Ether	2.19	74	53068	44.79	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	85542	46.27	ug/l	99
10) Methyl Iodide	2.52	142	40943	24.72	ug/l	98
11) Tert butyl alcohol	3.07	59	151932	225.99	ug/l	99
12) 1,1-Dichloroethene	2.38	96	72799	44.86	ug/l	92
13) Acrolein	2.29	56	41444	196.39	ug/l	99
14) Allyl chloride	2.73	41	132774	46.31	ug/l	97
15) Acrylonitrile	3.15	53	305390	224.28	ug/l	100
16) Acetone	2.45	43	412923	253.97	ug/l	96
17) Carbon Disulfide	2.57	76	190617	44.16	ug/l	99
18) Methyl Acetate	2.78	43	159817	46.89	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	271716	45.27	ug/l	100
20) Methylene Chloride	2.86	84	80181	42.70	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	78048	43.11	ug/l	95
22) Diisopropyl ether	3.87	45	269928	53.21	ug/l	98
23) Vinyl Acetate	3.83	43	1292234	268.68	ug/l	99
24) 1,1-Dichloroethane	3.70	63	146737	46.00	ug/l	99
25) 2-Butanone	4.71	43	441617	241.65	ug/l	100
26) 2,2-Dichloropropane	4.59	77	107659	48.16	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	77004	45.51	ug/l	100
28) Bromochloromethane	5.03	49	65937	50.13	ug/l	97
29) Tetrahydrofuran	5.17	42	274339	243.99	ug/l	99
30) Chloroform	5.22	83	151608	50.72	ug/l	97
31) Cyclohexane	5.58	56	119315	48.39	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	138207	51.25	ug/l	98
36) 1,1-Dichloropropene	5.81	75	108110	48.25	ug/l	97
37) Ethyl Acetate	4.87	43	146816	47.97	ug/l	100
38) Carbon Tetrachloride	5.79	117	117106	49.82	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	140901	51.71	ug/l	96
40) Benzene	6.15	78	323624	49.74	ug/l	100
41) Methacrylonitrile	5.07	41	76408	47.35	ug/l	97
42) 1,2-Dichloroethane	6.21	62	128467	50.32	ug/l	99
43) Isopropyl Acetate	6.47	43	236887	52.00	ug/l	99
44) Trichloroethene	7.22	130	93579	50.20	ug/l	99
45) 1,2-Dichloropropane	7.52	63	85051	51.07	ug/l	98
46) Dibromomethane	7.67	93	64791	49.56	ug/l	97
47) Bromodichloromethane	7.91	83	125718	54.66	ug/l	99
48) Methyl methacrylate	7.79	41	114060	51.57	ug/l	100
49) 1,4-Dioxane	7.76	88	46874	1008.24	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	897987	254.65	ug/l	99
52) Toluene	8.79	92	224386	49.33	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	143080	53.68	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	138799	53.69	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	95960	51.30	ug/l	98
56) Ethyl methacrylate	9.19	69	145026	51.16	ug/l	100
57) 1,3-Dichloropropane	9.38	76	150041	50.15	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	343586	252.56	ug/l	98
59) 2-Hexanone	9.51	43	784310	261.94	ug/l	99
60) Dibromochloromethane	9.59	129	103214	46.90	ug/l	99
61) 1,2-Dibromoethane	9.68	107	102346	51.02	ug/l	99
64) Tetrachloroethene	9.34	164	87042	47.25	ug/l	96
65) Chlorobenzene	10.15	112	264364	50.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	93556	52.14	ug/l	98
67) Ethyl Benzene	10.26	91	461918	51.57	ug/l	98
68) m/p-Xylenes	10.37	106	377258	107.04	ug/l	98
69) o-Xylene	10.71	106	179727	52.67	ug/l	98
70) Styrene	10.72	104	304897	54.00	ug/l	99
71) Bromoform	10.87	173	86542	46.64	ug/l #	95
73) Isopropylbenzene	11.02	105	511421	49.08	ug/l	98
74) N-amyl acetate	6.47	43	236887	52.31	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	179685	48.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	160482m	47.48	ug/l	
77) Bromobenzene	11.26	156	124059	44.69	ug/l	99
78) n-propylbenzene	11.37	91	604951	48.69	ug/l	99
79) 2-Chlorotoluene	11.43	91	340612	47.46	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	450229	51.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	54174	51.89	ug/l	99
82) 4-Chlorotoluene	11.52	91	426212	49.73	ug/l	99
83) tert-Butylbenzene	11.78	119	439811	49.77	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	466295	50.76	ug/l	99
85) sec-Butylbenzene	11.95	105	563019	51.50	ug/l	99
86) p-Isopropyltoluene	12.07	119	511138	52.64	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	256744	48.92	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	268611	48.75	ug/l	98
89) n-Butylbenzene	12.40	91	466903	51.64	ug/l	99
90) Hexachloroethane	12.60	117	80680	52.79	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	255960	49.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50775	49.40	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	175075	47.46	ug/l	98
94) Hexachlorobutadiene	13.79	225	74566	48.82	ug/l	97
95) Naphthalene	13.84	128	631910	49.18	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	179755	49.31	ug/l	100

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

