

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041518\
 Data File : VX000889.D
 Acq On : 15 Apr 2018 11:40
 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

apatel
 4/16/2018 3:34:56 PM

Quant Time: Apr 16 07:51:37 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	275388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	235247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157833	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
35) Dibromofluoromethane	5.51	113	134441	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	8.72	98	501568	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.14	95	202170	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	146812	47.23	ug/l	99
3) Chloromethane	1.32	50	125695	47.16	ug/l	100
4) Vinyl Chloride	1.40	62	141882	47.33	ug/l	99
5) Bromomethane	1.64	94	71206	57.59	ug/l	98
6) Chloroethane	1.73	64	85621	47.12	ug/l	99
7) Trichlorofluoromethane	1.93	101	223115	49.33	ug/l	99
8) Diethyl Ether	2.19	74	81379	48.16	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	135569	50.83	ug/l	99
10) Methyl Iodide	2.51	142	82966	41.62	ug/l	99
11) Tert butyl alcohol	3.07	59	129120	209.44	ug/l	99
12) 1,1-Dichloroethene	2.38	96	120102	47.52	ug/l	99
13) Acrolein	2.29	56	30288	101.17	ug/l	100
14) Allyl chloride	2.73	41	219782	47.03	ug/l	100
15) Acrylonitrile	3.15	53	312700	237.91	ug/l	100
16) Acetone	2.45	43	270032	225.51	ug/l	100
17) Carbon Disulfide	2.57	76	313764	41.00	ug/l	99
18) Methyl Acetate	2.78	43	156603	50.54	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	409974	48.70	ug/l	100
20) Methylene Chloride	2.86	84	129896	46.64	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	129213	46.36	ug/l	99
22) Diisopropyl ether	3.87	45	420375	48.94	ug/l	99
23) Vinyl Acetate	3.83	43	1778654	235.86	ug/l	99
24) 1,1-Dichloroethane	3.70	63	233569	48.46	ug/l	98
25) 2-Butanone	4.71	43	448050	226.59	ug/l	99
26) 2,2-Dichloropropane	4.59	77	220636	46.12	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	152811	48.31	ug/l	100
28) Bromochloromethane	5.03	49	94785	48.84	ug/l	98
29) Tetrahydrofuran	5.17	42	281552	224.25	ug/l	100
30) Chloroform	5.22	83	251501	49.29	ug/l	98
31) Cyclohexane	5.58	56	217387	47.50	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	230983	47.51	ug/l	100
36) 1,1-Dichloropropene	5.81	75	192737	48.78	ug/l	99
37) Ethyl Acetate	4.87	43	178226	46.21	ug/l	100
38) Carbon Tetrachloride	5.79	117	208651	47.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	236606	49.87	ug/l	98
40) Benzene	6.15	78	549036	50.01	ug/l	100
41) Methacrylonitrile	5.06	41	106688	47.88	ug/l	99
42) 1,2-Dichloroethane	6.20	62	202340	49.35	ug/l	99
43) Isopropyl Acetate	6.47	43	309467	46.80	ug/l	100
44) Trichloroethene	7.22	130	168271	49.28	ug/l	96
45) 1,2-Dichloropropane	7.52	63	141874	50.75	ug/l	99
46) Dibromomethane	7.67	93	95018	48.75	ug/l	100
47) Bromodichloromethane	7.90	83	191416	48.66	ug/l	99
48) Methyl methacrylate	7.78	41	164347	47.95	ug/l	99
49) 1,4-Dioxane	7.76	88	60892	883.98	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	931064	239.69	ug/l	100
52) Toluene	8.79	92	363403	49.90	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	233998	49.59	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	222716	48.47	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	143392	49.59	ug/l	98
56) Ethyl methacrylate	9.19	69	216797	48.61	ug/l	99
57) 1,3-Dichloropropane	9.38	76	234966	51.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	480782	230.71	ug/l	99
59) 2-Hexanone	9.51	43	715864	238.72	ug/l	100
60) Dibromochloromethane	9.59	129	167790	48.50	ug/l	100
61) 1,2-Dibromoethane	9.68	107	151459	49.38	ug/l	99
64) Tetrachloroethene	9.34	164	175068	52.18	ug/l	99
65) Chlorobenzene	10.15	112	432442	50.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	159293	49.03	ug/l	100
67) Ethyl Benzene	10.26	91	721591	50.14	ug/l	100
68) m/p-Xylenes	10.37	106	571463	100.60	ug/l	99
69) o-Xylene	10.71	106	275891	50.39	ug/l	99
70) Styrene	10.72	104	463318	50.19	ug/l	100
71) Bromoform	10.87	173	138302	45.97	ug/l	100
73) Isopropylbenzene	11.02	105	750762	50.31	ug/l	100
74) N-amyl acetate	6.47	43	309467	46.05	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	208092	48.05	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	200255m	49.36	ug/l	
77) Bromobenzene	11.26	156	215356	49.24	ug/l	100
78) n-propylbenzene	11.37	91	858483	50.29	ug/l	100
79) 2-Chlorotoluene	11.43	91	502838	49.84	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	640634	49.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	64747	43.90	ug/l	97
82) 4-Chlorotoluene	11.52	91	600449	49.31	ug/l	100
83) tert-Butylbenzene	11.77	119	660557	50.31	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	659424	49.77	ug/l	100
85) sec-Butylbenzene	11.95	105	784410	50.64	ug/l	100
86) p-Isopropyltoluene	12.07	119	734696	50.86	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	405434	50.08	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	411009	49.54	ug/l	100
89) n-Butylbenzene	12.40	91	649955	50.98	ug/l	100
90) Hexachloroethane	12.60	117	114113	46.68	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	391830	50.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44693	41.19	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	340442	51.05	ug/l	99
94) Hexachlorobutadiene	13.79	225	170520	52.00	ug/l	100
95) Naphthalene	13.84	128	842690	49.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	328685	50.75	ug/l	100

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

