

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX020918\
 Data File : VX000045.D
 Acq On : 09 Feb 2018 16:04
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 2/14/2018 5:29:31 PM

Quant Time: Feb 09 22:44:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 22:29:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	145611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	226436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	211993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	122101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	29924	19.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.52%	
35) Dibromofluoromethane	5.52	113	26701	20.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.72%	
50) Toluene-d8	8.73	98	97677	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
62) 4-Bromofluorobenzene	11.15	95	40290	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27077	20.46	ug/l	99
3) Chloromethane	1.32	50	26967	19.63	ug/l	95
4) Vinyl Chloride	1.41	62	31562	20.42	ug/l	98
5) Bromomethane	1.64	94	16539	14.02	ug/l	97
6) Chloroethane	1.73	64	18603	20.37	ug/l	100
7) Trichlorofluoromethane	1.93	101	54469	20.36	ug/l	98
8) Diethyl Ether	2.20	74	18950	20.34	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31067	20.83	ug/l	99
10) Methyl Iodide	2.52	142	33933	19.52	ug/l	99
11) Tert butyl alcohol	3.09	59	64508	95.77	ug/l	99
12) 1,1-Dichloroethene	2.38	96	28063	19.46	ug/l	96
13) Acrolein	2.30	56	29271	71.20	ug/l	100
14) Allyl chloride	2.73	41	49233	19.58	ug/l	98
15) Acrylonitrile	3.16	53	107980	99.23	ug/l	99
16) Acetone	2.45	43	85802	67.88	ug/l	100
17) Carbon Disulfide	2.57	76	84062	20.58	ug/l	97
18) Methyl Acetate	2.79	43	47508	19.38	ug/l	100
19) Methyl tert-butyl Ether	3.22	73	96462	20.00	ug/l	97
20) Methylene Chloride	2.86	84	30055	19.70	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	30402	19.85	ug/l	96
22) Diisopropyl ether	3.89	45	77061	17.41	ug/l	97
23) Vinyl Acetate	3.84	43	374259	97.91	ug/l	99
24) 1,1-Dichloroethane	3.71	63	51476	19.75	ug/l	98
25) 2-Butanone	4.73	43	138974	89.07	ug/l	99
26) 2,2-Dichloropropane	4.60	77	43819	19.82	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	30147	20.17	ug/l	98
28) Bromochloromethane	5.03	49	16906	19.57	ug/l	96
29) Tetrahydrofuran	5.19	42	95011	98.14	ug/l	99
30) Chloroform	5.23	83	50364	20.14	ug/l	97
31) Cyclohexane	5.59	56	42135	20.56	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	47744	19.93	ug/l	98
36) 1,1-Dichloropropene	5.81	75	39520	21.21	ug/l	99
37) Ethyl Acetate	4.88	43	50483	19.59	ug/l	100
38) Carbon Tetrachloride	5.80	117	44506	22.66	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	49732	20.96	ug/l	97
40) Benzene	6.16	78	111045	20.32	ug/l	99
41) Methacrylonitrile	5.08	41	26679	19.88	ug/l	99
42) 1,2-Dichloroethane	6.21	62	40343	20.64	ug/l	99
43) Isopropyl Acetate	6.48	43	75932	20.03	ug/l	99
44) Trichloroethene	7.22	130	34650	20.09	ug/l	92
45) 1,2-Dichloropropane	7.52	63	28044	20.60	ug/l	99
46) Dibromomethane	7.68	93	21270	20.07	ug/l	97
47) Bromodichloromethane	7.91	83	40978	20.69	ug/l	93
48) Methyl methacrylate	7.79	41	36864	19.70	ug/l	99
49) 1,4-Dioxane	7.77	88	21486	399.67	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	272992	100.81	ug/l	99
52) Toluene	8.79	92	75995	20.75	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	48040	20.79	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	46511	20.64	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	31421	20.49	ug/l	96
56) Ethyl methacrylate	9.20	69	48838	20.49	ug/l	98
57) 1,3-Dichloropropane	9.38	76	48598	19.97	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	121219	114.30	ug/l	99
59) 2-Hexanone	9.51	43	224374	96.81	ug/l	100
60) Dibromochloromethane	9.59	129	36198	20.90	ug/l	98
61) 1,2-Dibromoethane	9.68	107	35326	20.90	ug/l	99
64) Tetrachloroethene	9.34	164	33230	20.66	ug/l	98
65) Chlorobenzene	10.15	112	90246	21.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	32654	20.87	ug/l	97
67) Ethyl Benzene	10.26	91	149503	20.84	ug/l	99
68) m/p-Xylenes	10.37	106	118024	41.57	ug/l	99
69) o-Xylene	10.71	106	57564	20.86	ug/l	98
70) Styrene	10.72	104	95702	20.88	ug/l	99
71) Bromoform	10.87	173	30247	20.53	ug/l	# 100
73) Isopropylbenzene	11.03	105	154237	20.50	ug/l	99
74) N-amyl acetate	6.48	43	75932	20.19	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.28	83	51778	20.11	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	46761m	20.05	ug/l	
77) Bromobenzene	11.26	156	41653	20.77	ug/l	99
78) n-propylbenzene	11.37	91	181949	20.83	ug/l	100
79) 2-Chlorotoluene	11.43	91	103583	20.87	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	131079	20.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	18468	21.92	ug/l	98
82) 4-Chlorotoluene	11.52	91	125201	20.82	ug/l	99
83) tert-Butylbenzene	11.78	119	133108	20.79	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	135769	20.79	ug/l	99
85) sec-Butylbenzene	11.96	105	165066	20.99	ug/l	99
86) p-Isopropyltoluene	12.07	119	147495	20.81	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	80566	20.70	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	80577	20.40	ug/l	98
89) n-Butylbenzene	12.40	91	136412	20.61	ug/l	99
90) Hexachloroethane	12.61	117	24964	21.89	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	77447	20.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15149	20.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	59649	20.36	ug/l	99
94) Hexachlorobutadiene	13.79	225	28531	21.27	ug/l	98
95) Naphthalene	13.85	128	194648	19.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	58605	20.42	ug/l	100

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

