

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021418\
 Data File : VX000086.D
 Acq On : 14 Feb 2018 14:48
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ClientSampled :
 VSTDIC001

Manual Integrations
 APPROVED

sam
 2/16/2018 1:20:24 PM

Quant Time: Feb 15 12:43:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 02:51:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	120505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	199211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	188731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	100751	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	1757	1.35	ug/l	0.00
Spiked Amount				50.000		
Recovery						2.70%
35) Dibromofluoromethane	5.51	113	1398	1.19	ug/l	-0.01
Spiked Amount				50.000		
Recovery						2.38%
50) Toluene-d8	8.73	98	5379	1.21	ug/l	0.00
Spiked Amount				50.000		
Recovery						2.42%
62) 4-Bromofluorobenzene	11.15	95	2068	1.16	ug/l	0.00
Spiked Amount				50.000		
Recovery						2.32%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1405	1.25	ug/l	96
3) Chloromethane	1.32	50	1410	1.25	ug/l	97
4) Vinyl Chloride	1.41	62	1384	1.09	ug/l #	85
5) Bromomethane	1.65	94	1627	2.16	ug/l	81
6) Chloroethane	1.73	64	1108	1.44	ug/l	92
7) Trichlorofluoromethane	1.93	101	2676	1.21	ug/l	99
8) Diethyl Ether	2.19	74	874	1.09	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1549	1.24	ug/l	96
12) 1,1-Dichloroethene	2.38	96	1426	1.20	ug/l	92
14) Allyl chloride	2.74	41	2183	1.06	ug/l #	67
15) Acrylonitrile	3.15	53	5373	5.96	ug/l	95
16) Acetone	2.45	43	5425	6.86	ug/l	90
17) Carbon Disulfide	2.58	76	4633	1.35	ug/l	98
18) Methyl Acetate	2.78	43	2546	1.31	ug/l #	90
19) Methyl tert-butyl Ether	3.21	73	4728	1.16	ug/l	97
20) Methylene Chloride	2.86	84	1839	1.45	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	1483	1.16	ug/l	97
22) Diisopropyl ether	3.87	45	4474	1.31	ug/l #	96
23) Vinyl Acetate	3.83	43	18953	6.12	ug/l	94
24) 1,1-Dichloroethane	3.71	63	2611	1.26	ug/l #	82
25) 2-Butanone	4.71	43	7748	6.62	ug/l	98
26) 2,2-Dichloropropane	4.59	77	2099	1.16	ug/l	83
27) cis-1,2-Dichloroethene	4.60	96	1359	1.09	ug/l	94
28) Bromochloromethane	5.02	49	1152	1.55	ug/l #	85
29) Tetrahydrofuran	5.17	42	4994	6.29	ug/l	96
30) Chloroform	5.23	83	2536	1.19	ug/l	85
31) Cyclohexane	5.58	56	2230	1.28	ug/l #	88
32) 1,1,1-Trichloroethane	5.51	97	2270	1.13	ug/l #	49
36) 1,1-Dichloropropene	5.80	75	2054	1.18	ug/l	97
37) Ethyl Acetate	4.87	43	2903	1.28	ug/l #	88
38) Carbon Tetrachloride	5.79	117	2035	1.05	ug/l #	83
39) Methylcyclohexane	7.47	83	2335	1.11	ug/l	88
40) Benzene	6.15	78	5680	1.16	ug/l #	84
41) Methacrylonitrile	5.06	41	1677	1.44	ug/l #	78

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021418\
 Data File : VX000086.D
 Acq On : 14 Feb 2018 14:48
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

sam
 2/16/2018 1:20:24 PM

Quant Time: Feb 15 12:43:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 02:51:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	6.20	62	1975	1.12	ug/l #	75
43) Isopropyl Acetate	6.48	43	3933	1.15	ug/l #	88
44) Trichloroethene	7.22	130	1615	1.07	ug/l	96
45) 1,2-Dichloropropane	7.52	63	1331	1.11	ug/l	94
46) Dibromomethane	7.66	93	1055	1.14	ug/l	96
47) Bromodichloromethane	7.91	83	1761	0.98	ug/l #	96
48) Methyl methacrylate	7.78	41	1987	1.19	ug/l	94
49) 1,4-Dioxane	7.76	88	932	20.90	ug/l	93
51) 4-Methyl-2-Pentanone	8.66	43	13051	5.47	ug/l	91
52) Toluene	8.79	92	3537	1.07	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	2064	0.99	ug/l	91
54) cis-1,3-Dichloropropene	9.05	75	2114	1.04	ug/l	92
55) 1,1,2-Trichloroethane	9.23	97	1406	1.02	ug/l	93
56) Ethyl methacrylate	9.20	69	2005	0.94	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	2277	1.05	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.32	63	5929	5.64	ug/l	97
59) 2-Hexanone	9.51	43	10744	5.50	ug/l	96
60) Dibromochloromethane	9.59	129	1486	0.93	ug/l	96
61) 1,2-Dibromoethane	9.68	107	1615	1.06	ug/l	94
64) Tetrachloroethene	9.34	164	1457	1.04	ug/l	98
65) Chlorobenzene	10.14	112	4265	1.09	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.23	131	1362	0.97	ug/l #	67
67) Ethyl Benzene	10.26	91	7165	1.10	ug/l	96
68) m/p-Xylenes	10.37	106	5579	2.15	ug/l	100
69) o-Xylene	10.70	106	2636	1.05	ug/l	99
70) Styrene	10.72	104	3933	0.93	ug/l	94
71) Bromoform	10.86	173	1089	0.82	ug/l #	96
73) Isopropylbenzene	11.02	105	6898	1.08	ug/l	100
74) N-amyl acetate	6.48	43	3933	1.22	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	2445	1.12	ug/l	95
76) 1,2,3-Trichloropropane	11.30	75	2399m	1.26	ug/l	
77) Bromobenzene	11.26	156	1875	1.08	ug/l	89
78) n-propylbenzene	11.37	91	8493	1.14	ug/l	93
79) 2-Chlorotoluene	11.43	91	4862	1.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	5707	1.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	766	1.00	ug/l	97
82) 4-Chlorotoluene	11.52	91	5701	1.11	ug/l	99
83) tert-Butylbenzene	11.78	119	6146	1.14	ug/l	96
84) 1,2,4-Trimethylbenzene	11.82	105	5846	1.06	ug/l	99
85) sec-Butylbenzene	11.96	105	7420	1.11	ug/l	99
86) p-Isopropyltoluene	12.07	119	6420	1.07	ug/l	93
87) 1,3-Dichlorobenzene	12.04	146	3709	1.13	ug/l	96
88) 1,4-Dichlorobenzene	12.11	146	3959m	1.18	ug/l	
89) n-Butylbenzene	12.40	91	6399	1.14	ug/l	97
90) Hexachloroethane	12.60	117	1013	0.97	ug/l	88
91) 1,2-Dichlorobenzene	12.40	146	3580	1.12	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.01	75	589	0.94	ug/l	87
93) 1,2,4-Trichlorobenzene	13.65	180	2721	1.11	ug/l	94
94) Hexachlorobutadiene	13.79	225	1191	1.05	ug/l	97
95) Naphthalene	13.85	128	8854	1.10	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021418\
Data File : VX000086.D
Acq On : 14 Feb 2018 14:48
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

sam
2/16/2018 1:20:24 PM

Quant Time: Feb 15 12:43:21 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 02:51:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.03	180	2630	1.10	ug/l	96

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

