

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040418\
 Data File : VX000661.D
 Acq On : 04 Apr 2018 16:53
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 4/5/2018 6:25:10 PM

Quant Time: Apr 05 02:27:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 02:06:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	90117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	162107	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	94135	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	30947	25.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.52%	
35) Dibromofluoromethane	5.51	113	22213	21.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.22%	
50) Toluene-d8	8.73	98	88554	20.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.98%	
62) 4-Bromofluorobenzene	11.15	95	33415	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	25719	25.20	ug/l	93
3) Chloromethane	1.32	50	21833	21.13	ug/l	99
4) Vinyl Chloride	1.40	62	30112	26.39	ug/l	96
5) Bromomethane	1.64	94	26806	19.61	ug/l	94
6) Chloroethane	1.73	64	20555	23.96	ug/l	92
7) Trichlorofluoromethane	1.93	101	51300	25.07	ug/l	99
8) Diethyl Ether	2.20	74	19635	26.64	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27312	23.96	ug/l	99
10) Methyl Iodide	2.51	142	11799	12.89	ug/l	99
11) Tert butyl alcohol	3.07	59	62345	144.02	ug/l	100
12) 1,1-Dichloroethene	2.38	96	23965	24.10	ug/l	99
13) Acrolein	2.30	56	36839	211.20	ug/l	98
14) Allyl chloride	2.73	41	50363	25.82	ug/l	98
15) Acrylonitrile	3.15	53	119569	138.63	ug/l	100
16) Acetone	2.45	43	132374	131.69	ug/l	99
17) Carbon Disulfide	2.57	76	56719	20.03	ug/l	99
18) Methyl Acetate	2.78	43	60552	28.05	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	95006	25.54	ug/l	93
20) Methylene Chloride	2.86	84	27829	24.08	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	26126	23.58	ug/l	91
22) Diisopropyl ether	3.88	45	64518	21.04	ug/l	98
23) Vinyl Acetate	3.83	43	327451	114.99	ug/l	100
24) 1,1-Dichloroethane	3.70	63	53208	27.13	ug/l	96
25) 2-Butanone	4.71	43	137264	123.54	ug/l	91
26) 2,2-Dichloropropane	4.59	77	26310	20.11	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	22133	22.08	ug/l	96
28) Bromochloromethane	5.03	49	19533	24.79	ug/l	97
29) Tetrahydrofuran	5.18	42	87112	126.97	ug/l	99
30) Chloroform	5.23	83	41069	23.03	ug/l	96
31) Cyclohexane	5.58	56	30545	20.93	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	35084	21.93	ug/l	98
36) 1,1-Dichloropropene	5.81	75	29741	19.82	ug/l	100
37) Ethyl Acetate	4.87	43	46784	22.63	ug/l	99
38) Carbon Tetrachloride	5.79	117	28634	18.44	ug/l	91

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040418\
 Data File : VX000661.D
 Acq On : 04 Apr 2018 16:53
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 4/5/2018 6:25:10 PM

Quant Time: Apr 05 02:27:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 02:06:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	31596	17.56	ug/l	88
40) Benzene	6.15	78	86882	20.04	ug/l	97
41) Methacrylonitrile	5.07	41	24412	22.09	ug/l	99
42) 1,2-Dichloroethane	6.21	62	36779	21.31	ug/l	99
43) Isopropyl Acetate	6.48	43	66478	21.45	ug/l	100
44) Trichloroethene	7.22	130	23716	19.13	ug/l	91
45) 1,2-Dichloropropane	7.52	63	23917	21.41	ug/l	98
46) Dibromomethane	7.67	93	17923	20.50	ug/l	96
47) Bromodichloromethane	7.91	83	32104	20.78	ug/l	99
48) Methyl methacrylate	7.79	41	33946	22.55	ug/l	97
49) 1,4-Dioxane	7.76	88	14341	449.36	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	274536	112.91	ug/l	98
52) Toluene	8.79	92	57363	18.82	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	34714	19.43	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	33978	19.57	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	25304	20.10	ug/l	94
56) Ethyl methacrylate	9.19	69	37403	19.53	ug/l	94
57) 1,3-Dichloropropane	9.38	76	41905	20.70	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	96467	107.97	ug/l	99
59) 2-Hexanone	9.51	43	233530	112.58	ug/l	98
60) Dibromochloromethane	9.59	129	25595	20.03	ug/l	94
61) 1,2-Dibromoethane	9.68	107	26504	19.69	ug/l	100
64) Tetrachloroethene	9.34	164	23044	18.66	ug/l	93
65) Chlorobenzene	10.15	112	67674	18.93	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.23	131	22809	19.05	ug/l	97
67) Ethyl Benzene	10.26	91	123298	20.23	ug/l	99
68) m/p-Xylenes	10.37	106	93273	39.01	ug/l	95
69) o-Xylene	10.71	106	45322	19.64	ug/l	95
70) Styrene	10.72	104	73951	19.30	ug/l	98
71) Bromoform	10.87	173	18110	16.98	ug/l	# 100
73) Isopropylbenzene	11.02	105	122126	20.16	ug/l	100
74) N-amyl acetate	6.48	43	66478	21.78	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	46095	21.33	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	43238m	21.74	ug/l	
77) Bromobenzene	11.26	156	28914	17.96	ug/l	97
78) n-propylbenzene	11.37	91	150184	20.57	ug/l	100
79) 2-Chlorotoluene	11.43	91	85207	20.24	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	102867	20.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	12082	19.96	ug/l	89
82) 4-Chlorotoluene	11.52	91	102358	20.18	ug/l	99
83) tert-Butylbenzene	11.78	119	99557	19.38	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	109311	20.35	ug/l	100
85) sec-Butylbenzene	11.95	105	131451	20.56	ug/l	100
86) p-Isopropyltoluene	12.07	119	111349	19.59	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	57950	18.96	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	60370	18.72	ug/l	98
89) n-Butylbenzene	12.40	91	111072	20.71	ug/l	99
90) Hexachloroethane	12.60	117	18287	20.64	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	57627	19.20	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13752	22.58	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040418\
Data File : VX000661.D
Acq On : 04 Apr 2018 16:53
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

sam
4/5/2018 6:25:10 PM

Quant Time: Apr 05 02:27:56 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 05 02:06:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	41570	19.36	ug/l	98
94) Hexachlorobutadiene	13.79	225	14656	16.77	ug/l	99
95) Naphthalene	13.84	128	152782	20.41	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	41013	19.41	ug/l	98

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

