

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057087.D
 Acq On : 21 Sep 2015 11:07
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:54:27 PM

Quant Time: Sep 22 04:45:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	907876	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.54	114	1606585	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.71	117	1271692	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	384162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.79	65	714879	44.09	ug/l	-0.02
Spiked Amount 50.000	Range 66 - 150		Recovery =	88.18%		
35) Dibromofluoromethane	4.06	113	632348	49.43	ug/l	-0.03
Spiked Amount 50.000	Range 76 - 130		Recovery =	98.86%		
48) Toluene-d8	7.50	98	1769024	48.10	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 121		Recovery =	96.20%		
62) 4-Bromofluorobenzene	11.35	95	608238	49.04	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	98.08%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	574490	50.00	ug/l	100
3) Chloromethane	1.03	50	638535	44.20	ug/l	92
4) Vinyl Chloride	1.08	62	543297	45.50	ug/l	100
5) Bromomethane	1.26	94	243841	46.19	ug/l	98
6) Chloroethane	1.34	64	251968	52.02	ug/l	99
7) Trichlorofluoromethane	1.40	101	530513m	47.50	ug/l	
8) Tert butyl alcohol	2.54	59	685967	235.66	ug/l	100
9) Diethyl Ether	1.60	74	291926	52.87	ug/l	71
10) Diisopropyl ether	2.76	45	1811697	44.76	ug/l	99
11) 1,1-Dichloroethene	1.75	96	432889	51.69	ug/l	90
12) Methyl Iodide	1.85	142	790164m	53.53	ug/l	
13) Acrolein	1.97	56	487553	280.09	ug/l	97
14) 1,1,2-Trichlorotrifluoroet	1.79	101	422296	51.76	ug/l	96
15) Acrylonitrile	2.89	53	1272056	239.62	ug/l	95
16) Allyl Chloride	2.06	41	822292	47.63	ug/l	92
17) Acetone	2.20	43	1617753	240.75	ug/l	98
18) Carbon Disulfide	1.77	76	1253476	50.75	ug/l	97
19) Methyl Acetate	2.30	43	2000402	47.41	ug/l	99
20) Methyl tert-butyl Ether	2.39	73	1733619	51.70	ug/l	97
21) Methylene Chloride	2.14	84	477647m	52.12	ug/l	
22) trans-1,2-Dichloroethene	2.27	96	472230	51.29	ug/l	96
23) Vinyl Acetate	3.14	43	4558142	237.96	ug/l	98
24) 1,1-Dichloroethane	2.82	63	925599	46.44	ug/l	99
25) 2-Butanone	4.28	43	3561983	236.51	ug/l	95
26) 2,2-Dichloropropane	3.55	77	613483	49.03	ug/l	96
27) cis-1,2-Dichloroethene	3.42	96	651455	50.66	ug/l	99
28) Bromochloromethane	3.66	128	217410	50.61	ug/l	84
29) Chloroform	3.80	83	1172277	49.76	ug/l	97
30) Cyclohexane	3.65	56	748858	46.90	ug/l	92
31) Tetrahydrofuran	4.02	42	1921191	227.27	ug/l	90
32) 1,1,1-Trichloroethane	4.05	97	846814	49.93	ug/l	93
36) 1,1-Dichloropropene	4.24	75	872810	49.45	ug/l	91
37) Ethyl acetate	4.06	43	1619637	48.87	ug/l #	55
38) Carbon Tetrachloride	3.94	117	723995	52.68	ug/l	93

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057087.D
 Acq On : 21 Sep 2015 11:07
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:54:27 PM

Quant Time: Sep 22 04:45:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	2142065	50.96	ug/l	98
40) Methacrylonitrile	4.69	41	718560	48.99	ug/l	93
41) 1,2-Dichloroethane	4.89	62	907105	48.89	ug/l	98
42) Isopropyl Acetate	5.44	43	2063127	47.68	ug/l #	95
43) Trichloroethene	5.46	130	584625	54.73	ug/l	94
44) Methylcyclohexane	5.41	83	549420	54.00	ug/l	94
45) 1,2-Dichloropropane	6.18	63	651421	48.88	ug/l	100
46) Dibromomethane	6.03	93	436544	50.37	ug/l	95
47) Bromodichloromethane	6.34	83	914187	51.50	ug/l	100
49) 4-Methyl-2-Pentanone	8.20	43	6113610	233.25	ug/l	98
50) Toluene	7.57	92	1369366	50.88	ug/l	99
51) t-1,3-Dichloropropene	8.22	75	1053710	51.77	ug/l	100
52) Methyl Methacrylate	6.67	69	692184	52.48	ug/l	97
53) 1,4-Dioxane	6.65	88	151262	977.89	ug/l	96
54) cis-1,3-Dichloropropene	7.24	75	1103922	51.08	ug/l	95
55) 1,1,2-Trichloroethane	8.42	97	580242	50.78	ug/l	97
56) Ethyl Methacrylate	8.56	69	1185550	52.54	ug/l	96
57) 1,3-Dichloropropane	8.78	76	1160236	49.93	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.24	63	2974146	266.57	ug/l #	91
59) 2-Hexanone	9.42	43	4578456	223.56	ug/l	99
60) Dibromochloromethane	8.65	129	675056	52.11	ug/l	98
61) 1,2-Dibromoethane	8.92	107	710452	54.04	ug/l	97
64) Tetrachloroethene	8.10	164	406069	56.35	ug/l	98
65) Chlorobenzene	9.73	112	1440834	52.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.86	131	497876	52.14	ug/l	98
67) Ethyl Benzene	9.84	106	706057	53.31	ug/l	97
68) m/p-Xylenes	10.07	106	1683173	104.47	ug/l	92
69) o-Xylene	10.65	106	811647	52.46	ug/l	88
70) Styrene	10.72	104	1451519	53.72	ug/l	98
71) Bromoform	10.71	173	469581	57.48	ug/l	98
73) Isopropylbenzene	11.07	105	1713896	48.85	ug/l	98
74) n-Amyl Acetate	11.31	43	1723609	46.23	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.64	83	856698	46.58	ug/l	95
76) 1,2,3-Trichloropropane	11.73	75	674135	46.71	ug/l	96
77) Bromobenzene	11.44	156	534115	53.49	ug/l	97
78) n-propylbenzene	11.53	91	1889913	50.38	ug/l	100
79) 2-Chlorotoluene	11.66	91	1087280	48.05	ug/l	97
80) 1,3,5-Trimethylbenzene	11.76	105	1110799	48.45	ug/l	98
81) trans-1,4-Dichloro-2-Buten	11.81	75	539108	51.26	ug/l	95
82) 4-Chlorotoluene	11.84	91	1367916	50.05	ug/l	99
83) tert-Butylbenzene	12.07	119	1055089	48.75	ug/l	95
84) 1,2,4-Trimethylbenzene	12.14	105	1176640	49.73	ug/l	99
85) sec-Butylbenzene	12.24	105	1174636	50.75	ug/l	100
86) p-Isopropyltoluene	12.40	119	944190	53.73	ug/l	95
87) 1,3-Dichlorobenzene	12.41	146	620832	52.11	ug/l	100
88) 1,4-Dichlorobenzene	12.50	146	647849	52.51	ug/l	96
89) n-Butylbenzene	12.77	91	750191	53.40	ug/l	97
90) Hexachloroethane	12.85	117	183442	49.31	ug/l	90
91) 1,2-Dichlorobenzene	12.88	146	536637	49.99	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.57	75	94352	45.74	ug/l	90

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH092115\
Data File : VH057087.D
Acq On : 21 Sep 2015 11:07
Operator : SY/FY
Sample : VSTDCCC050
Misc : 5mL/MSVOA H/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:54:27 PM

Quant Time: Sep 22 04:45:20 2015
Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:34:01 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	118966	49.47	ug/l	89
94) Hexachlorobutadiene	14.12	225	60106	54.12	ug/l	89
95) Naphthalene	14.38	128	439836	45.54	ug/l	98
96) 1,2,3-Trichlorobenzene	14.52	180	83312	50.60	ug/l	95

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

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057087.D
 Acq On : 21 Sep 2015 11:07
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:54:27 PM

Quant Time: Sep 22 04:45:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

