

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057075.D
 Acq On : 17 Sep 2015 21:18
 Operator : SY/FY
 Sample : VSTDICV050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ICSVH091715

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:41:19 PM

Quant Time: Sep 18 09:56:22 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:51:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	750900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	1342372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	1112547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	344525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	670424	50.00	ug/l	0.00
Spiked Amount 50.000	Range 66 - 150		Recovery =	100.00%		
35) Dibromofluoromethane	4.08	113	534895	50.05	ug/l	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	100.10%		
48) Toluene-d8	7.51	98	1533179	49.89	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 121		Recovery =	99.78%		
62) 4-Bromofluorobenzene	11.35	95	562261	54.25	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	108.50%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	462315	48.67	ug/l	97
3) Chloromethane	1.02	50	586229	49.06	ug/l	99
4) Vinyl Chloride	1.09	62	481458	48.75	ug/l	97
5) Bromomethane	1.27	94	208576	47.98	ug/l	95
6) Chloroethane	1.35	64	201636	50.18	ug/l	95
7) Trichlorofluoromethane	1.40	101	476893m	51.63	ug/l	
8) Tert butyl alcohol	2.55	59	616262	255.97	ug/l #	95
9) Diethyl Ether	1.61	74	231024	50.59	ug/l	77
10) Diisopropyl ether	2.79	45	1643994	49.11	ug/l	98
11) 1,1-Dichloroethene	1.76	96	343432	49.58	ug/l	96
12) Methyl Iodide	1.87	142	588395m	48.20	ug/l	
13) Acrolein	1.97	56	404589	281.02	ug/l	93
14) 1,1,2-Trichlorotrifluoroet	1.80	101	335407	49.70	ug/l	98
15) Acrylonitrile	2.91	53	1075333	244.91	ug/l	93
16) Allyl Chloride	2.08	41	727742	50.96	ug/l	95
17) Acetone	2.22	43	1425893	258.62	ug/l	98
18) Carbon Disulfide	1.77	76	978702	47.91	ug/l #	94
19) Methyl Acetate	2.32	43	1742234	49.92	ug/l	98
20) Methyl tert-butyl Ether	2.41	73	1406150	50.70	ug/l	97
21) Methylene Chloride	2.15	84	371626m	49.03	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	376206	49.40	ug/l	91
23) Vinyl Acetate	3.17	43	3907715	246.65	ug/l	99
24) 1,1-Dichloroethane	2.85	63	834043	50.59	ug/l	100
25) 2-Butanone	4.31	43	3016949	242.20	ug/l	99
26) 2,2-Dichloropropane	3.57	77	485435	46.91	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	528495	49.69	ug/l	98
28) Bromochloromethane	3.69	128	189420	53.32	ug/l	94
29) Chloroform	3.83	83	996283	51.13	ug/l	93
30) Cyclohexane	3.67	56	655577	49.64	ug/l	93
31) Tetrahydrofuran	4.04	42	1758789	251.55	ug/l	95
32) 1,1,1-Trichloroethane	4.06	97	644200	45.92	ug/l	98
36) 1,1-Dichloropropene	4.25	75	757334	51.35	ug/l	98
37) Ethyl acetate	4.08	43	1439149	51.97	ug/l	96
38) Carbon Tetrachloride	3.97	117	591112	51.47	ug/l	97

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : XH057075.D
 Acq On : 17 Sep 2015 21:18
 Operator : SY/FY
 Sample : VSTDICV050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ICSVH091715

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:41:19 PM

Quant Time: Sep 18 09:56:22 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:51:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.60	78	1808773	51.50	ug/l	100
40) Methacrylonitrile	4.71	41	636361	51.93	ug/l	93
41) 1,2-Dichloroethane	4.91	62	796162	51.36	ug/l	98
42) Isopropyl Acetate	5.46	43	1828993	50.59	ug/l	97
43) Trichloroethene	5.48	130	474516	53.17	ug/l	100
44) Methylcyclohexane	5.43	83	441952	51.99	ug/l	95
45) 1,2-Dichloropropane	6.20	63	579893	52.08	ug/l	96
46) Dibromomethane	6.06	93	368794	50.93	ug/l	99
47) Bromodichloromethane	6.35	83	781199	52.67	ug/l	98
49) 4-Methyl-2-Pentanone	8.21	43	5581692	254.87	ug/l	100
50) Toluene	7.58	92	1170869	52.06	ug/l	95
51) t-1,3-Dichloropropene	8.24	75	916639	53.90	ug/l	99
52) Methyl Methacrylate	6.69	69	591309	53.66	ug/l	96
53) 1,4-Dioxane	6.67	88	144162	1115.43	ug/l	88
54) cis-1,3-Dichloropropene	7.27	75	944642	52.31	ug/l	97
55) 1,1,2-Trichloroethane	8.44	97	497928	52.16	ug/l	96
56) Ethyl Methacrylate	8.58	69	1018895	54.04	ug/l	94
57) 1,3-Dichloropropane	8.80	76	1072249	55.22	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.26	63	2990691	320.81	ug/l	98
59) 2-Hexanone	9.44	43	4338824	253.56	ug/l	100
60) Dibromochloromethane	8.66	129	603467	55.76	ug/l	98
61) 1,2-Dibromoethane	8.93	107	624456	56.84	ug/l	96
64) Tetrachloroethene	8.12	164	335482	53.22	ug/l	98
65) Chlorobenzene	9.74	112	1265522	52.28	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.88	131	433019	51.84	ug/l	97
67) Ethyl Benzene	9.84	106	620290	53.53	ug/l	95
68) m/p-Xylenes	10.08	106	1462568	103.76	ug/l	99
69) o-Xylene	10.66	106	732300	54.11	ug/l	99
70) Styrene	10.73	104	1224806	51.81	ug/l	99
71) Bromoform	10.72	173	379568	53.10	ug/l	97
73) Isopropylbenzene	11.07	105	1610354	51.18	ug/l	100
74) n-Amyl Acetate	11.32	43	1619714	48.45	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.64	83	793972	48.13	ug/l	98
76) 1,2,3-Trichloropropane	11.73	75	643779	49.74	ug/l	95
77) Bromobenzene	11.44	156	456253	50.95	ug/l	89
78) n-propylbenzene	11.54	91	1721632	51.18	ug/l	98
79) 2-Chlorotoluene	11.66	91	984358	48.51	ug/l	97
80) 1,3,5-Trimethylbenzene	11.77	105	991831	48.24	ug/l	96
81) trans-1,4-Dichloro-2-Buten	11.81	75	465811	49.38	ug/l	93
82) 4-Chlorotoluene	11.85	91	1206170	49.21	ug/l	100
83) tert-Butylbenzene	12.07	119	936097	48.23	ug/l	98
84) 1,2,4-Trimethylbenzene	12.14	105	1052638	49.61	ug/l	95
85) sec-Butylbenzene	12.25	105	1009759	48.64	ug/l	98
86) p-Isopropyltoluene	12.39	119	804582	51.05	ug/l	98
87) 1,3-Dichlorobenzene	12.42	146	566183	52.99	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	575430	52.00	ug/l	97
89) n-Butylbenzene	12.79	91	649968	51.59	ug/l	96
90) Hexachloroethane	12.85	117	162272	48.64	ug/l	94
91) 1,2-Dichlorobenzene	12.88	146	488161	50.71	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.57	75	83025	44.88	ug/l	93

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH091715\
Data File : VH057075.D
Acq On : 17 Sep 2015 21:18
Operator : SY/FY
Sample : VSTDICV050
Misc : 5mL/MSVOA H/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Manual Integrations
APPROVED

MMDadoda
9/18/2015 3:41:19 PM

Quant Time: Sep 18 09:56:22 2015
Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 09:51:06 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	99134	46.23	ug/l	90
94) Hexachlorobutadiene	14.12	225	51133	51.34	ug/l	98
95) Naphthalene	14.38	128	388595	44.94	ug/l	97
96) 1,2,3-Trichlorobenzene	14.52	180	66052	45.40	ug/l	93

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

