

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057072.D
 Acq On : 17 Sep 2015 18:08
 Operator : SY/FY
 Sample : VSTDIC040
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC040

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:12:35 PM

Quant Time: Sep 18 09:41:45 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:34:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	829873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	1519789	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	1215016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	357259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	596855	45.56	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	91.12%
35) Dibromofluoromethane	4.08	113	482505	43.86	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	87.72%
48) Toluene-d8	7.51	98	1397319	47.85	ug/l	0.00
Spiked Amount	50.000	Range	78 - 121	Recovery	=	95.70%
62) 4-Bromofluorobenzene	11.35	95	472176	44.36	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	88.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	425908	40.63	ug/l	97
3) Chloromethane	1.02	50	525201	35.88	ug/l	100
4) Vinyl Chloride	1.09	62	434865	36.10	ug/l	96
5) Bromomethane	1.27	94	215753	36.29	ug/l	99
6) Chloroethane	1.35	64	188981	31.25	ug/l	97
7) Trichlorofluoromethane	1.40	101	430251m	48.11	ug/l	
8) Tert butyl alcohol	2.54	59	507333	183.95	ug/l	98
9) Diethyl Ether	1.62	74	195056	32.78	ug/l	79
10) Diisopropyl ether	2.78	45	1412469	32.73	ug/l	98
11) 1,1-Dichloroethene	1.76	96	294763	34.92	ug/l	92
12) Methyl Iodide	1.86	142	516862	37.02	ug/l	93
13) Acrolein	1.98	56	326777	181.62	ug/l	88
14) 1,1,2-Trichlorotrifluoroet	1.81	101	288021	35.62	ug/l	94
15) Acrylonitrile	2.91	53	940329	152.72	ug/l	95
16) Allyl Chloride	2.08	41	599361	30.92	ug/l	92
17) Acetone	2.22	43	1326648	195.92	ug/l	98
18) Carbon Disulfide	1.77	76	894751	34.50	ug/l	96
19) Methyl Acetate	2.32	43	1454716	30.12	ug/l	100
20) Methyl tert-butyl Ether	2.41	73	1196220	36.35	ug/l	100
21) Methylene Chloride	2.15	84	321746m	33.46	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	325173	34.93	ug/l	95
23) Vinyl Acetate	3.17	43	3423747	181.14	ug/l	100
24) 1,1-Dichloroethane	2.85	63	704211	34.80	ug/l	99
25) 2-Butanone	4.31	43	2653118	177.51	ug/l	98
26) 2,2-Dichloropropane	3.57	77	443756	39.92	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	466507	39.76	ug/l	93
28) Bromochloromethane	3.69	128	162558	37.12	ug/l	85
29) Chloroform	3.83	83	832244	39.24	ug/l	96
30) Cyclohexane	3.67	56	561032	36.31	ug/l	98
31) Tetrahydrofuran	4.05	42	1524556	175.53	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	611261	41.51	ug/l	96
36) 1,1-Dichloropropene	4.26	75	660457	42.38	ug/l	99
37) Ethyl acetate	4.09	43	1226549	37.63	ug/l #	55
38) Carbon Tetrachloride	3.97	117	503743	41.01	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.61	78	1539626	39.32	ug/l	96
40) Methacrylonitrile	4.72	41	551895	36.49	ug/l	94
41) 1,2-Dichloroethane	4.91	62	678746	40.44	ug/l	98
42) Isopropyl Acetate	5.46	43	1598534	37.94	ug/l	99
43) Trichloroethene	5.48	130	392836	40.34	ug/l	93
44) Methylcyclohexane	5.44	83	364707	37.81	ug/l	96
45) 1,2-Dichloropropane	6.20	63	489281	38.85	ug/l	99
46) Dibromomethane	6.06	93	329215	41.60	ug/l	93
47) Bromodichloromethane	6.36	83	669062	41.41	ug/l	100
49) 4-Methyl-2-Pentanone	8.21	43	4809049	186.16	ug/l	99
50) Toluene	7.59	92	994555	39.72	ug/l	96
51) t-1,3-Dichloropropene	8.23	75	791710	42.56	ug/l	97
52) Methyl Methacrylate	6.69	69	494108	38.91	ug/l	94
53) 1,4-Dioxane	6.67	88	115156	923.86	ug/l	89
54) cis-1,3-Dichloropropene	7.26	75	816487	40.23	ug/l	99
55) 1,1,2-Trichloroethane	8.44	97	418564	41.06	ug/l	99
56) Ethyl Methacrylate	8.58	69	877769	41.51	ug/l	97
57) 1,3-Dichloropropane	8.80	76	873577	40.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.26	63	2067812	113.91	ug/l	99
59) 2-Hexanone	9.44	43	3668930	194.79	ug/l	98
60) Dibromochloromethane	8.66	129	486698	42.06	ug/l	98
61) 1,2-Dibromoethane	8.93	107	507520	42.51	ug/l	92
64) Tetrachloroethene	8.11	164	267277	39.05	ug/l	93
65) Chlorobenzene	9.74	112	1033791	40.75	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.87	131	357862	40.18	ug/l	92
67) Ethyl Benzene	9.85	106	487317	38.32	ug/l	91
68) m/p-Xylenes	10.08	106	1229612	80.49	ug/l	100
69) o-Xylene	10.66	106	569687	38.64	ug/l	98
70) Styrene	10.73	104	1037925	41.78	ug/l	97
71) Bromoform	10.72	173	312249	42.82	ug/l	97
73) Isopropylbenzene	11.07	105	1234130	36.76	ug/l	99
74) n-Amyl Acetate	11.32	43	1317048	36.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.64	83	674986	38.89	ug/l	96
76) 1,2,3-Trichloropropane	11.73	75	512705	37.95	ug/l	92
77) Bromobenzene	11.44	156	369744	40.84	ug/l	86
78) n-propylbenzene	11.55	91	1330256	37.67	ug/l	100
79) 2-Chlorotoluene	11.66	91	813519	38.03	ug/l	96
80) 1,3,5-Trimethylbenzene	11.77	105	826255	39.78	ug/l	98
81) trans-1,4-Dichloro-2-Buten	11.82	75	380918	36.92	ug/l	97
82) 4-Chlorotoluene	11.84	91	984708	38.52	ug/l	95
83) tert-Butylbenzene	12.07	119	754071	38.60	ug/l	99
84) 1,2,4-Trimethylbenzene	12.14	105	850110	40.50	ug/l	100
85) sec-Butylbenzene	12.25	105	802928	38.63	ug/l	99
86) p-Isopropyltoluene	12.40	119	612588	38.43	ug/l	99
87) 1,3-Dichlorobenzene	12.42	146	435019	40.25	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	443656	39.00	ug/l	98
89) n-Butylbenzene	12.78	91	520591	41.68	ug/l	95
90) Hexachloroethane	12.85	117	121032	35.67	ug/l	93
91) 1,2-Dichlorobenzene	12.88	146	389892	41.95	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.58	75	68907	39.18	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	83252	49.80	ug/l	92
94) Hexachlorobutadiene	14.12	225	44383	52.66	ug/l	95
95) Naphthalene	14.38	128	349795	48.64	ug/l	97
96) 1,2,3-Trichlorobenzene	14.52	180	58361	55.01	ug/l	94

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

