

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026181.D
 Acq On : 9 Oct 2015 18:11
 Operator : SY/MD
 Sample : VL1009ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:24:21 PM

Quant Time: Oct 10 00:22:10 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 0
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	868537	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.35	114	2521133	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.77	117	2890889m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	2288583	10.31	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.65	85	1569484	9.64	ppbv	98
3) Chlorodifluoromethane	3.58	51	836348	8.24	ppbv	99
4) Chloromethane	3.76	50	520676	9.10	ppbv	99
5) Vinyl Chloride	3.90	62	534817	9.27	ppbv	99
6) Bromomethane	4.15	94	404085	9.73	ppbv	96
7) Chloroethane	4.25	64	229737	9.17	ppbv	97
8) Dichlorotetrafluoroethane	3.82	85	1280786	9.01	ppbv	100
9) Propene	3.60	41	419937	9.02	ppbv	99
10) Heptane	9.38	43	1516505	9.37	ppbv	100
11) Trichlorofluoromethane	4.71	101	1496520	9.36	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.32	101	983710	9.09	ppbv	99
13) Ethanol	4.34	45	67703	9.88	ppbv	93
14) Bromoethene	4.46	108	417558	9.36	ppbv	99
15) Acetone	4.62	43	885892	7.89	ppbv	100
16) 1,3-Butadiene	3.98	39	470831	9.07	ppbv	100
17) tert-Butyl alcohol	5.14	59	654091	9.67	ppbv	99
18) 1,1-Dichloroethene	5.10	96	452570	9.24	ppbv	99
19) Isopropyl Alcohol	4.76	45	417795	9.55	ppbv #	98
20) Methylene Chloride	5.17	84	420121	8.79	ppbv	98
21) Allyl Chloride	5.24	41	685396	9.35	ppbv	100
22) trans-1,2-Dichloroethene	5.78	96	580582	9.25	ppbv	99
23) Vinyl Acetate	6.00	43	1844301	9.28	ppbv	99
24) 1,1-Dichloroethane	5.93	63	1241339	9.16	ppbv	99
25) Ethyl Acetate	6.69	43	1964209	9.05	ppbv	100
26) Hexane	6.68	57	958240	9.11	ppbv	99
27) Carbon Disulfide	5.40	76	1262642	10.02	ppbv	99
28) Methyl tert-Butyl Ether	5.97	73	1597744	9.43	ppbv	99
29) Chloroform	6.77	83	1463982	9.39	ppbv	99
30) Cyclohexane	8.31	84	967976	9.66	ppbv	100
31) cis-1,2-Dichloroethene	6.54	61	913352	9.53	ppbv	100
32) 1,1,1-Trichloroethane	7.62	97	1470382	9.88	ppbv	100
34) 2-Butanone	6.22	43	1245960	8.88	ppbv	100
35) Carbon Tetrachloride	8.18	117	1528425	9.57	ppbv	100
36) Benzene	8.05	78	2189553	9.08	ppbv	99
37) 1,2-Dichloroethane	7.40	62	1173123	9.08	ppbv	99
38) Trichloroethene	9.09	130	874667	7.90	ppbv	99
39) 1,2-Dichloropropane	8.85	63	806537	9.00	ppbv	98
40) 1,4-Dioxane	9.15	88	190803	12.94	ppbv #	1
41) Tetrahydrofuran	7.14	42	757158	9.58	ppbv	99
42) Bromodichloromethane	9.05	83	1613046	9.49	ppbv	100
43) Methyl Methacrylate	9.29	69	849024	10.00	ppbv	99

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

44) 2,2,4-Trimethylpentane	9.11	57	3536851	8.82	ppbv	99
45) t-1,3-Dichloropropene	10.68	75	1220762	10.44	ppbv	97
46) cis-1,3-Dichloropropene	10.05	75	1439402	10.03	ppbv	100
47) 1,1,2-Trichloroethane	10.91	97	957807	8.91	ppbv	99
48) Dibromochloromethane	11.83	129	1484072	9.74	ppbv	99
49) Bromoform	14.85	173	1174719	10.24	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	1790738	9.65	ppbv	100
51) 2-Hexanone	11.65	43	1689770	10.13	ppbv #	99
52) Tetrachloroethene	12.82	164	928359	7.79	ppbv	98
53) Toluene	11.26	91	2858493	9.20	ppbv	100
54) 1,2-Dibromoethane	12.17	107	1461612	9.07	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.82	131	1089857	9.41	ppbv	98
57) Chlorobenzene	13.84	112	2314700	8.87	ppbv	100
58) Ethyl Benzene	14.44	91	4016156	9.56	ppbv	99
59) m/p-Xylene	14.75	91	6236289m	18.51	ppbv	
60) o-Xylene	15.52	91	3159571	8.95	ppbv	99
61) Styrene	15.34	104	1516433	10.50	ppbv	100
62) Isopropylbenzene	16.58	105	4362169	9.37	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.52	83	2104680	8.02	ppbv	100
64) n-propylbenzene	17.55	120	1191882	9.51	ppbv	99
65) tert-Butylbenzene	18.85	119	3746306	9.12	ppbv	100
66) Benzyl Chloride	19.13	91	1374190	11.26	ppbv	99
67) sec-Butylbenzene	19.44	105	5365038	9.37	ppbv	100
69) p-Isopropyltoluene	19.82	119	4407676	9.62	ppbv	100
70) n-Butylbenzene	20.78	91	4232242	9.64	ppbv	100
71) 2-Chlorotoluene	17.46	91	3286434	9.67	ppbv	98
72) 4-Ethyltoluene	17.85	105	3670636	9.74	ppbv	100
73) 1,3,5-Trimethylbenzene	18.02	105	3379813	9.54	ppbv	98
74) 1,2,4-Trimethylbenzene	18.86	105	3360664	9.05	ppbv	96
75) 1,3-Dichlorobenzene	19.15	146	2168971	9.13	ppbv	100
76) 1,4-Dichlorobenzene	19.30	146	2226803	9.29	ppbv	100
77) 1,2-Dichlorobenzene	20.06	146	2144404	9.23	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	703461	7.55	ppbv	99
79) Naphthalene	23.95	128	2072870	8.89	ppbv	100
80) Naphthalene, 2-methyl-	26.06	142	374620	7.16	ppbv	99
81) 1,2,4-Trichlorobenzene	23.76	180	984541	8.52	ppbv	99

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

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