

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
 Data File : VL025613.D
 Acq On : 7 Jul 2015 17:57
 Operator : SY/MD
 Sample : VL0707ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0707ABS01

Manual Integrations
 APPROVED

sam
 7/8/2015 11:04:41 AM

Quant Time: Jul 08 07:05:14 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	639435	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	1698282	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2219483m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	1901885	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.64	85	1345492	8.12	ppbv	99
3) Chlorodifluoromethane	3.57	51	705304	7.83	ppbv	99
4) Chloromethane	3.75	50	328832	8.00	ppbv	99
5) Vinyl Chloride	3.89	62	362382	8.16	ppbv	96
6) Bromomethane	4.14	94	311354	8.64	ppbv	97
7) Chloroethane	4.24	64	164207	7.95	ppbv	97
8) Dichlorotetrafluoroethane	3.81	85	1193606	8.22	ppbv	99
9) Propene	3.59	41	236982	7.92	ppbv	99
10) Heptane	9.36	43	1046562	8.98	ppbv	100
11) Trichlorofluoromethane	4.70	101	1872239	8.71	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1055616	8.57	ppbv	99
13) Ethanol	4.33	45	26939	5.79	ppbv	94
14) Bromoethene	4.45	108	337421	8.35	ppbv	99
15) Acetone	4.60	43	976908	8.65	ppbv	100
16) 1,3-Butadiene	3.96	39	377576	8.40	ppbv	98
17) tert-Butyl alcohol	5.12	59	870158	9.18	ppbv	99
18) 1,1-Dichloroethene	5.09	96	401215	8.50	ppbv	99
19) Isopropyl Alcohol	4.75	45	347921	7.72	ppbv #	97
20) Methylene Chloride	5.15	84	364693	7.95	ppbv	96
21) Allyl Chloride	5.23	41	582068	8.23	ppbv	97
22) trans-1,2-Dichloroethene	5.77	96	403824	8.38	ppbv	97
23) Vinyl Acetate	5.99	43	1528431	8.93	ppbv	100
24) 1,1-Dichloroethane	5.92	63	973162	8.48	ppbv	99
25) Ethyl Acetate	6.67	43	1487523	8.70	ppbv	99
26) Hexane	6.67	57	695159	8.64	ppbv	97
27) Carbon Disulfide	5.39	76	1122881	8.61	ppbv	99
28) Methyl tert-Butyl Ether	5.95	73	1431708	8.95	ppbv	100
29) Chloroform	6.75	83	1377925	8.67	ppbv	98
30) Cyclohexane	8.29	84	690952	8.98	ppbv	98
31) cis-1,2-Dichloroethene	6.53	61	720952	9.01	ppbv	99
32) 1,1,1-Trichloroethane	7.60	97	1547655	8.96	ppbv	99
34) 2-Butanone	6.20	43	879012	9.12	ppbv	99
35) Carbon Tetrachloride	8.17	117	1664619	9.20	ppbv	100
36) Benzene	8.03	78	1467915	9.03	ppbv	99
37) 1,2-Dichloroethane	7.38	62	1248305	8.99	ppbv	100
38) Trichloroethene	9.07	130	691467	9.14	ppbv	98
39) 1,2-Dichloropropane	8.83	63	523261	8.71	ppbv	97
40) 1,4-Dioxane	9.13	88	80211	8.51	ppbv #	1
41) Tetrahydrofuran	7.12	42	442140	9.19	ppbv	99
42) Bromodichloromethane	9.03	83	1552667	9.27	ppbv	99
43) Methyl Methacrylate	9.27	69	616606	9.88	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	2543140	9.12	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	1017732	9.69	ppbv	100
46) cis-1,3-Dichloropropene	10.03	75	1113187	9.59	ppbv	98
47) 1,1,2-Trichloroethane	10.89	97	745283	8.92	ppbv	100
48) Dibromochloromethane	11.81	129	1421851	9.50	ppbv	99
49) Bromoform	14.82	173	1177012	9.54	ppbv	99
50) 4-Methyl-2-Pentanone	10.09	43	1338460	9.64	ppbv	100
51) 2-Hexanone	11.62	43	1301505	10.45	ppbv #	98
52) Tetrachloroethene	12.80	164	792852	9.72	ppbv	99
53) Toluene	11.24	91	2207757	9.66	ppbv	100
54) 1,2-Dibromoethane	12.15	107	1221363	9.03	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.80	131	1091184	9.09	ppbv	99
57) Chlorobenzene	13.82	112	2006029	8.49	ppbv	99
58) Ethyl Benzene	14.43	91	3546041	9.67	ppbv	100
59) m/p-Xylene	14.73	91	5911556	18.35	ppbv	99
60) o-Xylene	15.51	91	3143244	9.06	ppbv	99
61) Styrene	15.32	104	1332304	10.96	ppbv	99
62) Isopropylbenzene	16.56	105	4181982	9.22	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.50	83	1945779	8.29	ppbv	100
64) n-propylbenzene	17.54	120	1139497	9.30	ppbv	98
65) tert-Butylbenzene	18.83	119	4027161	9.05	ppbv	99
66) Benzyl Chloride	19.11	91	1229947	7.53	ppbv	100
67) sec-Butylbenzene	19.42	105	5607603	8.99	ppbv	100
69) p-Isopropyltoluene	19.80	119	4880959	9.50	ppbv	100
70) n-Butylbenzene	20.77	91	4881285	9.36	ppbv	99
71) 2-Chlorotoluene	17.44	91	3226308	9.70	ppbv	100
72) 4-Ethyltoluene	17.83	105	3728517	9.72	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	3602049	9.55	ppbv	97
74) 1,2,4-Trimethylbenzene	18.85	105	3807502	9.02	ppbv	95
75) 1,3-Dichlorobenzene	19.13	146	2385474	8.68	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	2422474	8.80	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	2366274	8.67	ppbv	100
78) Hexachloro-1,3-Butadiene	24.67	225	1362679	8.12	ppbv	99
79) Naphthalene	23.94	128	3519343	8.63	ppbv	99
80) Naphthalene,2-methyl-	26.05	142	599980	5.06	ppbv	99
81) 1,2,4-Trichlorobenzene	23.74	180	1828230	9.35	ppbv	99

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

