

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025808.D
 Acq On : 31 Jul 2015 11:21
 Operator : SY/MD
 Sample : VL0731ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Manual Integrations
 APPROVED

sam
 8/4/2015 12:03:34 PM

Quant Time: Aug 04 12:13:35 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0
 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	6.67	49	583578	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1580603	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.77	117	2035700m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	1840783	10.72	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	894164	5.92	ppbv	98
3) Chlorodifluoromethane	3.57	51	630125	7.66	ppbv	98
4) Chloromethane	3.76	50	300541	8.01	ppbv	99
5) Vinyl Chloride	3.89	62	327842	8.09	ppbv	99
6) Bromomethane	4.15	94	284110	8.64	ppbv	99
7) Chloroethane	4.25	64	150368	7.97	ppbv	96
8) Dichlorotetrafluoroethane	3.81	85	1081671	8.16	ppbv	99
9) Propene	3.60	41	197629	7.23	ppbv	98
10) Heptane	9.37	43	921396	8.66	ppbv	100
11) Trichlorofluoromethane	4.70	101	1704526	8.69	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	968816	8.62	ppbv	100
13) Ethanol	4.33	45	26265m	6.18	ppbv	
14) Bromoethene	4.46	108	306940	8.32	ppbv	97
15) Acetone	4.60	43	1260078	12.22	ppbv	98
16) 1,3-Butadiene	3.98	39	332810	8.11	ppbv	98
17) tert-Butyl alcohol	5.13	59	779003	9.01	ppbv	100
18) 1,1-Dichloroethene	5.09	96	370089	8.60	ppbv	96
19) Isopropyl Alcohol	4.75	45	304996	7.41	ppbv #	95
20) Methylene Chloride	5.16	84	330130	7.88	ppbv	93
21) Allyl Chloride	5.23	41	510336	7.91	ppbv	94
22) trans-1,2-Dichloroethene	5.78	96	357783	8.14	ppbv	97
23) Vinyl Acetate	5.99	43	1452622	9.30	ppbv	98
24) 1,1-Dichloroethane	5.92	63	856588	8.18	ppbv	99
25) Ethyl Acetate	6.68	43	1292012	8.28	ppbv	99
26) Hexane	6.67	57	601405	8.19	ppbv	97
27) Carbon Disulfide	5.40	76	1026544	8.63	ppbv	98
28) Methyl tert-Butyl Ether	5.96	73	1258012	8.61	ppbv	99
29) Chloroform	6.76	83	1230277	8.48	ppbv	98
30) Cyclohexane	8.30	84	614837	8.76	ppbv	98
31) cis-1,2-Dichloroethene	6.53	61	637902	8.74	ppbv	99
32) 1,1,1-Trichloroethane	7.61	97	1400910	8.89	ppbv	99
34) 2-Butanone	6.21	43	802686	8.95	ppbv	99
35) Carbon Tetrachloride	8.18	117	1498469	8.90	ppbv	98
36) Benzene	8.04	78	1317428	8.70	ppbv	99
37) 1,2-Dichloroethane	7.38	62	1113335	8.61	ppbv	99
38) Trichloroethene	9.08	130	628694	8.93	ppbv	97
39) 1,2-Dichloropropane	8.84	63	465251	8.32	ppbv	92
40) 1,4-Dioxane	9.15	88	62206m	7.09	ppbv	
41) Tetrahydrofuran	7.13	42	387277	8.65	ppbv	99
42) Bromodichloromethane	9.04	83	1405258	9.01	ppbv	99
43) Methyl Methacrylate	9.27	69	550503	9.48	ppbv	100

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QLast Update : Wed Jul 08 02:22:55 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2265043	8.72	ppbv	98
45) t-1,3-Dichloropropene	10.66	75	919817	9.41	ppbv	99
46) cis-1,3-Dichloropropene	10.04	75	1016562	9.41	ppbv	99
47) 1,1,2-Trichloroethane	10.90	97	676593	8.70	ppbv	98
48) Dibromochloromethane	11.82	129	1289771	9.26	ppbv	100
49) Bromoform	14.83	173	1052197	9.17	ppbv	99
50) 4-Methyl-2-Pentanone	10.10	43	1222610	9.46	ppbv	100
51) 2-Hexanone	11.63	43	1163232	10.04	ppbv #	98
52) Tetrachloroethene	12.81	164	707903	9.32	ppbv	99
53) Toluene	11.26	91	1988133	9.34	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1121152	8.91	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.80	131	985579	8.96	ppbv	98
57) Chlorobenzene	13.83	112	1816596	8.39	ppbv	99
58) Ethyl Benzene	14.43	91	3213774	9.56	ppbv	99
59) m/p-Xylene	14.73	91	5348883	18.10	ppbv	98
60) o-Xylene	15.51	91	2861366	8.99	ppbv	99
61) Styrene	15.33	104	1196883	10.74	ppbv	99
62) Isopropylbenzene	16.57	105	3880926	9.33	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1758045	8.17	ppbv	99
64) n-propylbenzene	17.54	120	1042381	9.27	ppbv	97
65) tert-Butylbenzene	18.83	119	3688682	9.03	ppbv	98
66) Benzyl Chloride	19.12	91	1165604	7.78	ppbv	99
67) sec-Butylbenzene	19.43	105	5266992	9.21	ppbv	100
69) p-Isopropyltoluene	19.81	119	4550969	9.65	ppbv	99
70) n-Butylbenzene	20.78	91	4524682	9.46	ppbv	99
71) 2-Chlorotoluene	17.45	91	2944645	9.65	ppbv	100
72) 4-Ethyltoluene	17.84	105	3396982	9.66	ppbv	99
73) 1,3,5-Trimethylbenzene	18.01	105	3282217	9.49	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	3486603	9.00	ppbv	99
75) 1,3-Dichlorobenzene	19.14	146	2178403	8.64	ppbv	99
76) 1,4-Dichlorobenzene	19.29	146	2225395	8.81	ppbv	99
77) 1,2-Dichlorobenzene	20.05	146	2184445	8.73	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	1246130	8.10	ppbv	99
79) Naphthalene	23.94	128	3132682	8.38	ppbv	99
80) Naphthalene,2-methyl-	26.05	142	546978	5.03	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	1637344	9.13	ppbv	99

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

