

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025809.D
 Acq On : 31 Jul 2015 12:00
 Operator : SY/MD
 Sample : VL0731ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Manual Integrations
 APPROVED

sam
 8/4/2015 12:05:04 PM

Quant Time: Aug 04 12:14:11 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	6.67	49	623410	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.35	114	1706988	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.77	117	1986327m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	1877314	11.20	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.65	85	1690779	10.47	ppbv	99
3) Chlorodifluoromethane	3.58	51	766248	8.72	ppbv	99
4) Chloromethane	3.76	50	340561	8.50	ppbv	100
5) Vinyl Chloride	3.90	62	396662	9.17	ppbv	99
6) Bromomethane	4.15	94	313964	8.94	ppbv	97
7) Chloroethane	4.25	64	179121	8.89	ppbv	94
8) Dichlorotetrafluoroethane	3.82	85	1245217	8.79	ppbv	99
9) Propene	3.61	41	250555	8.58	ppbv	98
10) Heptane	9.37	43	1035134	9.11	ppbv	96
11) Trichlorofluoromethane	4.71	101	1884679	9.00	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1066530	8.88	ppbv	100
13) Ethanol	4.35	45	45270	9.98	ppbv	99
14) Bromoethene	4.46	108	365576	9.28	ppbv	98
15) Acetone	4.61	43	907079	8.24	ppbv	99
16) 1,3-Butadiene	3.98	39	390780	8.91	ppbv	98
17) tert-Butyl alcohol	5.14	59	867212	9.38	ppbv	100
18) 1,1-Dichloroethene	5.10	96	418908	9.11	ppbv	98
19) Isopropyl Alcohol	4.76	45	434717	9.89	ppbv #	99
20) Methylene Chloride	5.17	84	383013	8.56	ppbv	96
21) Allyl Chloride	5.24	41	607874	8.82	ppbv	97
22) trans-1,2-Dichloroethene	5.78	96	420949	8.96	ppbv	97
23) Vinyl Acetate	6.00	43	1551675	9.30	ppbv	100
24) 1,1-Dichloroethane	5.93	63	976198	8.73	ppbv	99
25) Ethyl Acetate	6.68	43	1508120	9.05	ppbv	100
26) Hexane	6.68	57	696077	8.87	ppbv	98
27) Carbon Disulfide	5.40	76	1200104	9.44	ppbv	100
28) Methyl tert-Butyl Ether	5.97	73	1466061	9.40	ppbv	99
29) Chloroform	6.77	83	1357951	8.76	ppbv	99
30) Cyclohexane	8.30	84	692968	9.24	ppbv	99
31) cis-1,2-Dichloroethene	6.54	61	744169	9.54	ppbv	99
32) 1,1,1-Trichloroethane	7.62	97	1537058	9.13	ppbv	100
34) 2-Butanone	6.21	43	896234	9.25	ppbv	100
35) Carbon Tetrachloride	8.18	117	1641977	9.03	ppbv	98
36) Benzene	8.04	78	1521930	9.31	ppbv	100
37) 1,2-Dichloroethane	7.39	62	1254639	8.99	ppbv	100
38) Trichloroethene	9.09	130	705745	9.28	ppbv	96
39) 1,2-Dichloropropane	8.85	63	528660	8.76	ppbv	97
40) 1,4-Dioxane	9.13	88	144612	15.27	ppbv	85
41) Tetrahydrofuran	7.13	42	464836	9.61	ppbv	99
42) Bromodichloromethane	9.04	83	1584395	9.41	ppbv	100
43) Methyl Methacrylate	9.29	69	635378	10.13	ppbv	99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025809.D
 Acq On : 31 Jul 2015 12:00
 Operator : SY/MD
 Sample : VL0731ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Manual Integrations
 APPROVED

sam
 8/4/2015 12:05:04 PM

Quant Time: Aug 04 12:14:11 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)
44) 2,2,4-Trimethylpentane	9.10	57	2590088	9.24	ppbv	99
45) t-1,3-Dichloropropene	10.67	75	1096302	10.39	ppbv	99
46) cis-1,3-Dichloropropene	10.04	75	1193386	10.23	ppbv	100
47) 1,1,2-Trichloroethane	10.90	97	752078	8.95	ppbv	98
48) Dibromochloromethane	11.82	129	1411959	9.39	ppbv	99
49) Bromoform	14.84	173	1152668	9.30	ppbv	98
50) 4-Methyl-2-Pentanone	10.11	43	1370436	9.82	ppbv	100
51) 2-Hexanone	11.63	43	1295783	10.35	ppbv #	100
52) Tetrachloroethene	12.82	164	765764	9.34	ppbv	99
53) Toluene	11.26	91	2209683	9.62	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1238545	9.11	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.81	131	1046042	9.74	ppbv	99
57) Chlorobenzene	13.83	112	1984267	9.39	ppbv	99
58) Ethyl Benzene	14.44	91	3459197	10.54	ppbv	99
59) m/p-Xylene	14.74	91	5724704m	19.86	ppbv	
60) o-Xylene	15.52	91	3069008	9.89	ppbv	99
61) Styrene	15.33	104	1286191	11.83	ppbv	99
62) Isopropylbenzene	16.57	105	4024765	9.92	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1918809	9.14	ppbv	100
64) n-propylbenzene	17.55	120	1067736	9.73	ppbv	97
65) tert-Butylbenzene	18.84	119	3759720	9.44	ppbv	99
66) Benzyl Chloride	19.13	91	1423689	9.74	ppbv	100
67) sec-Butylbenzene	19.44	105	5315574	9.52	ppbv	100
69) p-Isopropyltoluene	19.82	119	4376234	9.51	ppbv	99
70) n-Butylbenzene	20.78	91	4286652	9.19	ppbv	99
71) 2-Chlorotoluene	17.45	91	3072668	10.32	ppbv	99
72) 4-Ethyltoluene	17.85	105	3470482	10.11	ppbv	99
73) 1,3,5-Trimethylbenzene	18.01	105	3340046	9.90	ppbv	99
74) 1,2,4-Trimethylbenzene	18.86	105	3500099	9.26	ppbv	96
75) 1,3-Dichlorobenzene	19.14	146	2167042	8.81	ppbv	99
76) 1,4-Dichlorobenzene	19.30	146	2220530	9.01	ppbv	100
77) 1,2-Dichlorobenzene	20.05	146	2181953	8.94	ppbv	100
78) Hexachloro-1,3-Butadiene	24.69	225	1047102	6.97	ppbv	100
79) Naphthalene	23.95	128	2662375	7.29	ppbv	99
80) Naphthalene,2-methyl-	26.06	142	664964	6.27	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	1263644	7.22	ppbv	99

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

