

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026204.D
 Acq On : 10 Oct 2015 9:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:01 PM

Quant Time: Oct 12 04:41:45 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	6.65	49	515108	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.32	114	1689058	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.73	117	2001733m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.27	95	1591300	10.36	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	1066583	11.04	ppbv	100
3) Chlorodifluoromethane	3.56	51	587719	9.77	ppbv	99
4) Chloromethane	3.74	50	335863	9.90	ppbv	99
5) Vinyl Chloride	3.88	62	358649	10.48	ppbv	98
6) Bromomethane	4.14	94	264099	10.73	ppbv	97
7) Chloroethane	4.23	64	156629	10.55	ppbv	99
8) Dichlorotetrafluoroethane	3.80	85	883343	10.48	ppbv	95
9) Propene	3.59	41	277690	10.05	ppbv	99
10) Heptane	9.34	43	967750	10.08	ppbv	97
11) Trichlorofluoromethane	4.68	101	1053576	11.12	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	721055	11.24	ppbv	96
13) Ethanol	4.32	45	42420	10.44	ppbv	93
14) Bromoethene	4.44	108	301380	11.39	ppbv	99
15) Acetone	4.59	43	620799	9.32	ppbv	99
16) 1,3-Butadiene	3.96	39	321711	10.46	ppbv	98
17) tert-Butyl alcohol	5.12	59	600925	14.98	ppbv	99
18) 1,1-Dichloroethene	5.07	96	333465	11.48	ppbv	99
19) Isopropyl Alcohol	4.74	45	337004	13.00	ppbv #	1
20) Methylene Chloride	5.14	84	300332	10.60	ppbv	98
21) Allyl Chloride	5.21	41	506161	11.65	ppbv	99
22) trans-1,2-Dichloroethene	5.76	96	423741	11.39	ppbv	96
23) Vinyl Acetate	5.98	43	1374296	11.66	ppbv	99
24) 1,1-Dichloroethane	5.90	63	862828	10.74	ppbv	99
25) Ethyl Acetate	6.66	43	1327410	10.31	ppbv	99
26) Hexane	6.65	57	659928	10.58	ppbv	99
27) Carbon Disulfide	5.38	76	961714	12.87	ppbv	99
28) Methyl tert-Butyl Ether	5.94	73	1290783	12.84	ppbv	98
29) Chloroform	6.74	83	1000637	10.83	ppbv	100
30) Cyclohexane	8.27	84	684493	11.52	ppbv	95
31) cis-1,2-Dichloroethene	6.51	61	626573	11.02	ppbv	98
32) 1,1,1-Trichloroethane	7.59	97	1089876	12.34	ppbv	97
34) 2-Butanone	6.19	43	843314	8.97	ppbv	98
35) Carbon Tetrachloride	8.15	117	1145624	10.70	ppbv	99
36) Benzene	8.01	78	1508528	9.34	ppbv	99
37) 1,2-Dichloroethane	7.37	62	808243	9.34	ppbv	100
38) Trichloroethene	9.06	130	649194	8.75	ppbv	98
39) 1,2-Dichloropropane	8.82	63	530591	8.84	ppbv	98
40) 1,4-Dioxane	9.10	88	129937	13.15	ppbv #	1
41) Tetrahydrofuran	7.11	42	464918	8.78	ppbv	96
42) Bromodichloromethane	9.01	83	1165250	10.23	ppbv	99
43) Methyl Methacrylate	9.25	69	581627	10.22	ppbv	97

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

44) 2,2,4-Trimethylpentane	9.07	57	2418263	9.00	ppbv	99
45) t-1,3-Dichloropropene	10.64	75	931879	11.90	ppbv	99
46) cis-1,3-Dichloropropene	10.01	75	1065210	11.08	ppbv	98
47) 1,1,2-Trichloroethane	10.87	97	678795	9.43	ppbv	98
48) Dibromochloromethane	11.79	129	1155197	11.32	ppbv	99
49) Bromoform	14.80	173	968955	12.61	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	1185287	9.53	ppbv	99
51) 2-Hexanone	11.60	43	1116345	9.99	ppbv #	98
52) Tetrachloroethene	12.78	164	717504	8.99	ppbv	99
53) Toluene	11.23	91	2077887	9.98	ppbv	100
54) 1,2-Dibromoethane	12.13	107	1062310	9.84	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.77	131	835628	10.42	ppbv	97
57) Chlorobenzene	13.80	112	1720856	9.52	ppbv	98
58) Ethyl Benzene	14.40	91	2961877	10.19	ppbv	99
59) m/p-Xylene	14.70	91	4595462	19.69	ppbv	100
60) o-Xylene	15.48	91	2340756	9.57	ppbv	100
61) Styrene	15.30	104	1153901	11.54	ppbv	99
62) Isopropylbenzene	16.53	105	3306545	10.26	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.47	83	1439686	7.92	ppbv	100
64) n-propylbenzene	17.50	120	909911	10.48	ppbv	92
65) tert-Butylbenzene	18.80	119	2930157	10.31	ppbv	99
66) Benzyl Chloride	19.09	91	1276459	15.11	ppbv	97
67) sec-Butylbenzene	19.39	105	4109171	10.37	ppbv	99
69) p-Isopropyltoluene	19.77	119	3487569	11.00	ppbv	99
70) n-Butylbenzene	20.74	91	3110586	10.23	ppbv	98
71) 2-Chlorotoluene	17.41	91	2389541	10.15	ppbv	98
72) 4-Ethyltoluene	17.80	105	2792392	10.70	ppbv	99
73) 1,3,5-Trimethylbenzene	17.97	105	2619683	10.68	ppbv	99
74) 1,2,4-Trimethylbenzene	18.82	105	2548328	9.91	ppbv	93
75) 1,3-Dichlorobenzene	19.11	146	1700740	10.34	ppbv	99
76) 1,4-Dichlorobenzene	19.26	146	1781675	10.74	ppbv	99
77) 1,2-Dichlorobenzene	20.01	146	1737950	10.81	ppbv	99
78) Hexachloro-1,3-Butadiene	24.66	225	835060	12.94	ppbv	99
79) Naphthalene	23.92	128	2394932	14.84	ppbv	100
80) Naphthalene, 2-methyl-	26.03	142	674764	18.62	ppbv	98
81) 1,2,4-Trichlorobenzene	23.72	180	1096973	13.72	ppbv	100

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

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Abundance

TIC: VL026204.D

Time-->

Chlorodifluoromethane, T
Dichlorotetrafluoroethane, T
Chlorotrifluoroethylene, T
Cyclohexane, I
Ethylchloroacetate, T
Isopropyl Alcohol, T
Trichlorofluoromethane, T
tert-Butyl methyl ether, T
Carbon Disulfide, I
1,1,2-Trichlorotrifluoroethane, T
1,1,1,2-Tetrachloroethane, T
cis-1,2-Dichloroethene, T
Chloroform, I
Tetrahydrofuran, T
1,2-Dichloroethane, T
1,1,1-Trichloroethane, T
Benzene, T
Cyclohexane, I
Diethyl ether, T
1,2-Dichloropropane, T
Bromochloromethane, I
1,4-Dioxane, T
Methyl Methacrylate
Heptane, T
4-Methylpent-1-ene, T
t-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
Toluene, T
2-Hexanone, T
Dibromochloromethane, T
1,2-Dibromoethane, T
Tetrachloroethene, T
Chlorobenzene-d5, I, 1-Chlorobenzene, T
Ethyl Benzene, T
m/p-Xylene, T
Bromotoluene, T
Styrene, T
1-Bromo-4-Fluorobenzene, S
Isopropylbenzene
2-Chlorotoluene, p-propylbenzene
4-Ethyltoluene, I
1,3,5-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene
p-Isopropyltoluene
n-Butylbenzene
Naphthalene, T
1,2,4-Trichlorobenzene, T
Hexachloro-1,3-Butadiene, T
Naphthalene, 2-methyl-, T