

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026260.D
 Acq On : 29 Oct 2015 9:21
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:30 PM

Quant Time: Oct 29 10:12:25 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 10:12:25 2015
 QLast Update : Thu Oct 29 10:13:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	558813	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1665865	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	1937452m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.34	95	1495462	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	1144626	9.88	ppbv	100
3) Chlorodifluoromethane	3.59	51	635582	8.98	ppbv	100
4) Chloromethane	3.78	50	388433	10.18	ppbv	100
5) Vinyl Chloride	3.91	62	395985	9.86	ppbv	100
6) Bromomethane	4.17	94	282488	9.79	ppbv	100
7) Chloroethane	4.27	64	172758	10.25	ppbv	100
8) Dichlorotetrafluoroethane	3.83	85	937416	9.42	ppbv	100
9) Propene	3.62	41	321468	9.71	ppbv	100
10) Heptane	9.40	43	1094539	9.87	ppbv	98
11) Trichlorofluoromethane	4.72	101	1070808	9.43	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	719329	9.28	ppbv	100
13) Ethanol	4.35	45	41066	8.27	ppbv	100
14) Bromoethene	4.48	108	315949	9.66	ppbv	100
15) Acetone	4.63	43	654412	7.96	ppbv	100
16) 1,3-Butadiene	4.00	39	354847	9.67	ppbv	100
17) tert-Butyl alcohol	5.15	59	573907	10.21	ppbv	100
18) 1,1-Dichloroethene	5.12	96	338817	9.68	ppbv	100
19) Isopropyl Alcohol	4.78	45	333606	10.37	ppbv	100
20) Methylene Chloride	5.18	84	303625	9.25	ppbv	100
21) Allyl Chloride	5.26	41	521978	9.72	ppbv	100
22) trans-1,2-Dichloroethene	5.80	96	438910	9.72	ppbv	100
23) Vinyl Acetate	6.02	43	1470667	9.70	ppbv	100
24) 1,1-Dichloroethane	5.95	63	934051	9.76	ppbv	100
25) Ethyl Acetate	6.71	43	1466263	9.51	ppbv	100
26) Hexane	6.70	57	720826	9.35	ppbv	100
27) Carbon Disulfide	5.42	76	950353	9.65	ppbv	100
28) Methyl tert-Butyl Ether	5.98	73	1307262	9.33	ppbv	100
29) Chloroform	6.79	83	1062351	9.50	ppbv	100
30) Cyclohexane	8.32	84	721202	9.36	ppbv	100
31) cis-1,2-Dichloroethene	6.56	61	688505	9.84	ppbv	100
32) 1,1,1-Trichloroethane	7.64	97	1091320	8.80	ppbv	100
34) 2-Butanone	6.23	43	940745	9.99	ppbv	100
35) Carbon Tetrachloride	8.20	117	1117726	8.81	ppbv	100
36) Benzene	8.07	78	1639375	9.66	ppbv	100
37) 1,2-Dichloroethane	7.42	62	845194	9.69	ppbv	100
38) Trichloroethene	9.11	130	645698	7.84	ppbv	100
39) 1,2-Dichloropropane	8.87	63	593545	9.95	ppbv	100
40) 1,4-Dioxane	9.15	88	134644	12.01	ppbv	100
41) Tetrahydrofuran	7.16	42	569721	10.45	ppbv	100
42) Bromodichloromethane	9.07	83	1184517	9.44	ppbv	100
43) Methyl Methacrylate	9.30	69	621814	10.07	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	2586891	9.42	ppbv	100
45) t-1,3-Dichloropropene	10.69	75	939335	9.75	ppbv	100
46) cis-1,3-Dichloropropene	10.07	75	1099532	9.75	ppbv	100
47) 1,1,2-Trichloroethane	10.93	97	712299	9.50	ppbv	100
48) Dibromochloromethane	11.85	129	1115518	9.13	ppbv	100
49) Bromoform	14.87	173	903462	8.76	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	1323574	10.41	ppbv	100
51) 2-Hexanone	11.66	43	1255105	10.57	ppbv #	100
52) Tetrachloroethene	12.84	164	703996	7.24	ppbv	100
53) Toluene	11.29	91	2148135	9.31	ppbv	100
54) 1,2-Dibromoethane	12.19	107	1092677	9.42	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	804132	8.65	ppbv	100
57) Chlorobenzene	13.87	112	1728831	9.32	ppbv	100
58) Ethyl Benzene	14.46	91	3022581	9.63	ppbv	100
59) m/p-Xylene	14.77	91	4603043m	18.73	ppbv	
60) o-Xylene	15.55	91	2346767	9.13	ppbv	100
61) Styrene	15.36	104	1166848	10.03	ppbv	100
62) Isopropylbenzene	16.60	105	3313538	9.27	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	1570280	9.24	ppbv	100
64) n-propylbenzene	17.58	120	917444	9.33	ppbv	95
65) tert-Butylbenzene	18.87	119	2884033	8.84	ppbv	100
66) Benzyl Chloride	19.16	91	1165472	8.65	ppbv	100
67) sec-Butylbenzene	19.47	105	4181023	9.19	ppbv	100
69) p-Isopropyltoluene	19.85	119	3438500	9.04	ppbv	100
70) n-Butylbenzene	20.81	91	3293837	9.47	ppbv	100
71) 2-Chlorotoluene	17.48	91	2497097	9.49	ppbv	100
72) 4-Ethyltoluene	17.88	105	2836280	9.49	ppbv	100
73) 1,3,5-Trimethylbenzene	18.04	105	2642526	9.48	ppbv	100
74) 1,2,4-Trimethylbenzene	18.89	105	2595656	8.98	ppbv	100
75) 1,3-Dichlorobenzene	19.17	146	1696998	8.98	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	1761493	8.93	ppbv	100
77) 1,2-Dichlorobenzene	20.08	146	1713522	9.00	ppbv	100
78) Hexachloro-1,3-Butadiene	24.71	225	653051	6.69	ppbv	100
79) Naphthalene	23.97	128	2067319	8.12	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	353768	7.74	ppbv	100
81) 1,2,4-Trichlorobenzene	23.78	180	984054	8.03	ppbv	100

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

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