

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025627.D
 Acq On : 8 Jul 2015 3:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

sam
 7/8/2015 11:04:56 AM

Quant Time: Jul 08 08:57:03 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	655024	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1737887	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.76	117	2221621m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.30	95	1846556	9.85	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.65	85	1681133	9.91	ppbv	99
3) Chlorodifluoromethane	3.57	51	752510	8.15	ppbv	99
4) Chloromethane	3.76	50	361375	8.58	ppbv	97
5) Vinyl Chloride	3.90	62	399904	8.79	ppbv	99
6) Bromomethane	4.15	94	324545	8.79	ppbv	98
7) Chloroethane	4.25	64	180763	8.54	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	1243952	8.36	ppbv	100
9) Propene	3.60	41	269922	8.80	ppbv	99
10) Heptane	9.37	43	1079826	9.04	ppbv	96
11) Trichlorofluoromethane	4.70	101	1841421	8.36	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1077430	8.54	ppbv	99
13) Ethanol	4.34	45	48043	10.08	ppbv	97
14) Bromoethene	4.46	108	355472	8.58	ppbv	99
15) Acetone	4.60	43	1019200	8.81	ppbv	99
16) 1,3-Butadiene	3.98	39	397375	8.63	ppbv	100
17) tert-Butyl alcohol	5.14	59	912907	9.40	ppbv	99
18) 1,1-Dichloroethene	5.09	96	407901	8.44	ppbv	98
19) Isopropyl Alcohol	4.76	45	452756	9.80	ppbv #	99
20) Methylene Chloride	5.16	84	379902	8.08	ppbv	96
21) Allyl Chloride	5.23	41	611010	8.43	ppbv	99
22) trans-1,2-Dichloroethene	5.78	96	424398	8.60	ppbv	98
23) Vinyl Acetate	5.99	43	1663030	9.48	ppbv	99
24) 1,1-Dichloroethane	5.92	63	1020254	8.68	ppbv	99
25) Ethyl Acetate	6.68	43	1594968	9.11	ppbv	99
26) Hexane	6.67	57	748460	9.08	ppbv	99
27) Carbon Disulfide	5.40	76	1186173	8.88	ppbv	99
28) Methyl tert-Butyl Ether	5.96	73	1522110	9.29	ppbv	100
29) Chloroform	6.76	83	1399177	8.59	ppbv	99
30) Cyclohexane	8.29	84	726161	9.21	ppbv	98
31) cis-1,2-Dichloroethene	6.53	61	755798	9.22	ppbv	98
32) 1,1,1-Trichloroethane	7.61	97	1571623	8.88	ppbv	99
34) 2-Butanone	6.21	43	947983	9.61	ppbv	99
35) Carbon Tetrachloride	8.18	117	1658177	8.95	ppbv	100
36) Benzene	8.04	78	1573961	9.46	ppbv	100
37) 1,2-Dichloroethane	7.38	62	1270259	8.94	ppbv	100
38) Trichloroethene	9.08	130	719117	9.29	ppbv	99
39) 1,2-Dichloropropane	8.84	63	561733	9.14	ppbv	97
40) 1,4-Dioxane	9.12	88	151206	15.68	ppbv	84
41) Tetrahydrofuran	7.13	42	484850	9.85	ppbv	99
42) Bromodichloromethane	9.04	83	1574715	9.19	ppbv	98
43) Methyl Methacrylate	9.27	69	650868	10.19	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2697938	9.45	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	1045391	9.73	ppbv	98
46) cis-1,3-Dichloropropene	10.03	75	1148505	9.67	ppbv	99
47) 1,1,2-Trichloroethane	10.90	97	763192	8.92	ppbv	98
48) Dibromochloromethane	11.82	129	1411774	9.22	ppbv	98
49) Bromoform	14.83	173	1169293	9.26	ppbv	98
50) 4-Methyl-2-Pentanone	10.10	43	1398788	9.85	ppbv	99
51) 2-Hexanone	11.63	43	1335491	10.48	ppbv	100
52) Tetrachloroethene	12.80	164	793639	9.51	ppbv	99
53) Toluene	11.25	91	2279897	9.75	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1236283	8.93	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.80	131	1073579	8.94	ppbv	100
57) Chlorobenzene	13.83	112	2015290	8.53	ppbv	99
58) Ethyl Benzene	14.43	91	3538103	9.64	ppbv	100
59) m/p-Xylene	14.73	91	5883148	18.25	ppbv	99
60) o-Xylene	15.51	91	3086624	8.89	ppbv	100
61) Styrene	15.33	104	1325210	10.89	ppbv	99
62) Isopropylbenzene	16.56	105	4158288	9.16	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1928144	8.21	ppbv	100
64) n-propylbenzene	17.54	120	1122801	9.15	ppbv	96
65) tert-Butylbenzene	18.83	119	3889852	8.73	ppbv	99
66) Benzyl Chloride	19.12	91	1136089	6.95	ppbv	100
67) sec-Butylbenzene	19.43	105	5476663	8.77	ppbv	100
69) p-Isopropyltoluene	19.80	119	4738361	9.21	ppbv	100
70) n-Butylbenzene	20.77	91	4683983	8.98	ppbv	99
71) 2-Chlorotoluene	17.44	91	3139250	9.43	ppbv	100
72) 4-Ethyltoluene	17.83	105	3622587	9.44	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	3515515	9.32	ppbv	100
74) 1,2,4-Trimethylbenzene	18.85	105	3691887	8.74	ppbv	93
75) 1,3-Dichlorobenzene	19.14	146	2272115	8.26	ppbv	99
76) 1,4-Dichlorobenzene	19.29	146	2338779	8.48	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	2279359	8.35	ppbv	99
78) Hexachloro-1,3-Butadiene	24.68	225	1260151	7.50	ppbv	100
79) Naphthalene	23.94	128	3173233	7.77	ppbv	99
80) Naphthalene, 2-methyl-	26.06	142	600251	5.06	ppbv	98
81) 1,2,4-Trichlorobenzene	23.74	180	1622807	8.29	ppbv	99

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

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