

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025606.D
 Acq On : 7 Jul 2015 11:53
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

sam
 7/8/2015 11:05:13 AM

Quant Time: Jul 07 13:16:11 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 07 2015
 QLast Update : Tue Jul 07 13:08:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	669556	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1834367	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.74	117	2322274	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1992230	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.64	85	192266	1.24	ppbv	99
3) Chlorodifluoromethane	3.57	51	103962	1.29	ppbv	99
4) Chloromethane	3.75	50	45703	1.09	ppbv	98
5) Vinyl Chloride	3.89	62	50024	1.07	ppbv	99
6) Bromomethane	4.14	94	40576	1.28	ppbv	83
7) Chloroethane	4.24	64	23803	1.23	ppbv #	85
8) Dichlorotetrafluoroethane	3.80	85	169408	1.35	ppbv	98
9) Propene	3.59	41	33827	1.01	ppbv	99
10) Heptane	9.35	43	128493	1.07	ppbv	99
11) Trichlorofluoromethane	4.69	101	248253	1.52	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.30	101	138077	1.40	ppbv	97
13) Ethanol	4.34	45	6011m	0.99	ppbv	
14) Bromoethene	4.45	108	46651	1.32	ppbv	96
15) Acetone	4.60	43	137298	1.39	ppbv	96
16) 1,3-Butadiene	3.96	39	50660	1.17	ppbv	97
17) tert-Butyl alcohol	5.14	59	102094	1.21	ppbv	96
18) 1,1-Dichloroethene	5.08	96	52909	1.30	ppbv	95
19) Isopropyl Alcohol	4.76	45	54443	1.21	ppbv #	99
20) Methylene Chloride	5.15	84	53960	1.26	ppbv	97
21) Allyl Chloride	5.22	41	79332	1.23	ppbv	96
22) trans-1,2-Dichloroethene	5.76	96	53313	1.12	ppbv	94
23) Vinyl Acetate	5.98	43	187428	1.08	ppbv	96
24) 1,1-Dichloroethane	5.90	63	128651	1.14	ppbv	99
25) Ethyl Acetate	6.67	43	186782	1.05	ppbv	98
26) Hexane	6.65	57	89242	1.07	ppbv	98
27) Carbon Disulfide	5.39	76	141830	1.23	ppbv #	92
28) Methyl tert-Butyl Ether	5.96	73	175706	1.13	ppbv	98
29) Chloroform	6.73	83	182502	1.31	ppbv	91
30) Cyclohexane	8.28	84	84457	1.11	ppbv #	70
31) cis-1,2-Dichloroethene	6.51	61	85615	1.07	ppbv	96
32) 1,1,1-Trichloroethane	7.59	97	192819	1.23	ppbv	99
34) 2-Butanone	6.20	43	106984	0.98	ppbv	100
35) Carbon Tetrachloride	8.15	117	205788	1.24	ppbv	98
36) Benzene	8.01	78	186454	1.03	ppbv	96
37) 1,2-Dichloroethane	7.37	62	160584	1.27	ppbv	100
38) Trichloroethene	9.06	130	91047	1.16	ppbv	96
39) 1,2-Dichloropropane	8.82	63	69931	1.04	ppbv	98
40) 1,4-Dioxane	9.17	88	8840m	0.59	ppbv	
41) Tetrahydrofuran	7.13	42	50464	0.86	ppbv	98
42) Bromodichloromethane	9.02	83	189253	1.20	ppbv	100
43) Methyl Methacrylate	9.26	69	67869	1.01	ppbv	99

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44) 2,2,4-Trimethylpentane	9.08	57	322549	1.03	ppbv	98
45) t-1,3-Dichloropropene	10.65	75	105391	1.00	ppbv	98
46) cis-1,3-Dichloropropene	10.02	75	121713	0.99	ppbv	99
47) 1,1,2-Trichloroethane	10.87	97	95178	1.13	ppbv	99
48) Dibromochloromethane	11.79	129	163646	1.21	ppbv	98
49) Bromoform	14.80	173	134682	1.24	ppbv	99
50) 4-Methyl-2-Pentanone	10.10	43	152592	1.03	ppbv	100
51) 2-Hexanone	11.63	43	124467	0.94	ppbv #	98
52) Tetrachloroethene	12.79	164	99632	1.20	ppbv	99
53) Toluene	11.23	91	251985	1.06	ppbv	98
54) 1,2-Dibromoethane	12.14	107	150779	1.17	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.78	131	138371	1.25	ppbv #	1
57) Chlorobenzene	13.80	112	278406	1.22	ppbv	97
58) Ethyl Benzene	14.41	91	409510	1.11	ppbv	99
59) m/p-Xylene	14.71	91	741232m	2.40	ppbv	
60) o-Xylene	15.49	91	403205	1.23	ppbv	98
61) Styrene	15.31	104	120886	0.97	ppbv	98
62) Isopropylbenzene	16.54	105	514056	1.19	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.48	83	275153	1.18	ppbv	99
64) n-propylbenzene	17.52	120	141280	1.23	ppbv	97
65) tert-Butylbenzene	18.80	119	524373	1.30	ppbv	100
66) Benzyl Chloride	19.10	91	168640	1.23	ppbv	97
67) sec-Butylbenzene	19.40	105	745578	1.32	ppbv	98
69) p-Isopropyltoluene	19.78	119	602042	1.31	ppbv	99
70) n-Butylbenzene	20.75	91	616290	1.38	ppbv	97
71) 2-Chlorotoluene	17.42	91	374278	1.16	ppbv	100
72) 4-Ethyltoluene	17.82	105	437192	1.22	ppbv	98
73) 1,3,5-Trimethylbenzene	17.98	105	429505	1.24	ppbv	98
74) 1,2,4-Trimethylbenzene	18.83	105	497546	1.33	ppbv #	91
75) 1,3-Dichlorobenzene	19.11	146	323805	1.36	ppbv	100
76) 1,4-Dichlorobenzene	19.27	146	321016	1.35	ppbv	100
77) 1,2-Dichlorobenzene	20.02	146	317736	1.35	ppbv	100
78) Hexachloro-1,3-Butadiene	24.66	225	205142	1.69	ppbv	99
79) Naphthalene	23.93	128	491273	1.61	ppbv	99
80) Naphthalene, 2-methyl-	26.04	142	140072	1.79	ppbv	99
81) 1,2,4-Trichlorobenzene	23.73	180	234841	1.65	ppbv	99

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

