

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025605.D
 Acq On : 7 Jul 2015 11:13
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Manual Integrations
 APPROVED

sam
 7/8/2015 11:04:25 AM

Quant Time: Jul 07 13:14:48 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	702402	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1935652	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2530178	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	2058947	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.64	85	340960	2.09	ppbv	99
3) Chlorodifluoromethane	3.56	51	218436	2.59	ppbv	97
4) Chloromethane	3.75	50	99920	2.28	ppbv	98
5) Vinyl Chloride	3.89	62	108102	2.21	ppbv	92
6) Bromomethane	4.14	94	84231	2.54	ppbv	97
7) Chloroethane	4.23	64	50010	2.47	ppbv	100
8) Dichlorotetrafluoroethane	3.80	85	344521	2.62	ppbv	99
9) Propene	3.59	41	74073	2.10	ppbv	98
10) Heptane	9.35	43	288987	2.30	ppbv	97
11) Trichlorofluoromethane	4.69	101	499838	2.91	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.30	101	284524	2.74	ppbv	98
13) Ethanol	4.32	45	13597	2.14	ppbv	96
14) Bromoethene	4.45	108	96075	2.60	ppbv	99
15) Acetone	4.60	43	271498	2.62	ppbv	93
16) 1,3-Butadiene	3.96	39	110223	2.42	ppbv	98
17) tert-Butyl alcohol	5.12	59	225484	2.55	ppbv	97
18) 1,1-Dichloroethene	5.08	96	111286	2.60	ppbv	92
19) Isopropyl Alcohol	4.75	45	113924	2.42	ppbv #	99
20) Methylene Chloride	5.14	84	105526	2.35	ppbv	89
21) Allyl Chloride	5.22	41	164952	2.44	ppbv	97
22) trans-1,2-Dichloroethene	5.76	96	114786	2.30	ppbv	94
23) Vinyl Acetate	5.98	43	419820	2.31	ppbv	98
24) 1,1-Dichloroethane	5.90	63	273542	2.32	ppbv	99
25) Ethyl Acetate	6.67	43	411495	2.21	ppbv	98
26) Hexane	6.65	57	200222	2.28	ppbv	98
27) Carbon Disulfide	5.39	76	307982	2.54	ppbv	96
28) Methyl tert-Butyl Ether	5.95	73	388408	2.38	ppbv	100
29) Chloroform	6.74	83	371834	2.55	ppbv	98
30) Cyclohexane	8.27	84	187731	2.35	ppbv	88
31) cis-1,2-Dichloroethene	6.51	61	195184	2.32	ppbv	97
32) 1,1,1-Trichloroethane	7.59	97	413697	2.52	ppbv	99
34) 2-Butanone	6.20	43	240877	2.09	ppbv	100
35) Carbon Tetrachloride	8.15	117	439208	2.51	ppbv	99
36) Benzene	8.01	78	409787	2.14	ppbv	98
37) 1,2-Dichloroethane	7.37	62	339214	2.55	ppbv	99
38) Trichloroethene	9.06	130	199815	2.42	ppbv	92
39) 1,2-Dichloropropane	8.82	63	153388	2.16	ppbv	96
40) 1,4-Dioxane	9.13	88	25517m	1.62	ppbv	
41) Tetrahydrofuran	7.12	42	126682	2.05	ppbv	96
42) Bromodichloromethane	9.02	83	410017	2.46	ppbv	100
43) Methyl Methacrylate	9.26	69	159166	2.24	ppbv	97

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44) 2,2,4-Trimethylpentane	9.08	57	735093	2.23	ppbv	100
45) t-1,3-Dichloropropene	10.65	75	263355	2.37	ppbv	99
46) cis-1,3-Dichloropropene	10.01	75	294076	2.28	ppbv	99
47) 1,1,2-Trichloroethane	10.87	97	210907	2.37	ppbv	96
48) Dibromochloromethane	11.79	129	372564	2.61	ppbv	100
49) Bromoform	14.80	173	302073	2.64	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	356358	2.28	ppbv	100
51) 2-Hexanone	11.62	43	327367	2.34	ppbv #	98
52) Tetrachloroethene	12.79	164	216574	2.47	ppbv	95
53) Toluene	11.23	91	602471	2.39	ppbv	99
54) 1,2-Dibromoethane	12.13	107	340426	2.50	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.79	131	292021	2.43	ppbv #	1
57) Chlorobenzene	13.80	112	582106	2.35	ppbv	95
58) Ethyl Benzene	14.40	91	956518	2.37	ppbv	98
59) m/p-Xylene	14.71	91	1641495m	4.88	ppbv	
60) o-Xylene	15.49	91	877604	2.45	ppbv	99
61) Styrene	15.31	104	324882	2.38	ppbv	100
62) Isopropylbenzene	16.54	105	1158047	2.46	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.47	83	575428	2.27	ppbv	100
64) n-propylbenzene	17.51	120	318607	2.55	ppbv	100
65) tert-Butylbenzene	18.81	119	1166634	2.66	ppbv	99
66) Benzyl Chloride	19.10	91	403986	2.69	ppbv	100
67) sec-Butylbenzene	19.41	105	1638356	2.66	ppbv	100
69) p-Isopropyltoluene	19.78	119	1378726	2.75	ppbv	100
70) n-Butylbenzene	20.75	91	1418699	2.91	ppbv	98
71) 2-Chlorotoluene	17.42	91	889001	2.53	ppbv	99
72) 4-Ethyltoluene	17.82	105	1009618	2.58	ppbv	99
73) 1,3,5-Trimethylbenzene	17.98	105	983196	2.61	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	1099162	2.71	ppbv	92
75) 1,3-Dichlorobenzene	19.11	146	696614	2.69	ppbv	100
76) 1,4-Dichlorobenzene	19.27	146	704002	2.72	ppbv	99
77) 1,2-Dichlorobenzene	20.02	146	698108	2.72	ppbv	100
78) Hexachloro-1,3-Butadiene	24.67	225	443662	3.36	ppbv	100
79) Naphthalene	23.92	128	1128487	3.39	ppbv	99
80) Naphthalene, 2-methyl-	26.03	142	320241	3.75	ppbv	99
81) 1,2,4-Trichlorobenzene	23.73	180	533805	3.45	ppbv	99

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

