

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL111115\
 Data File : VL026373.D
 Acq On : 11 Nov 2015 20:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

mohammad
 11/12/2015 6:51:58 PM

Quant Time: Nov 12 18:26:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	434934	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	8.34	114	1228823	10.00	ppbv	-0.04
55) Chlorobenzene-d5	13.76	117	1466887m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	860661	7.73	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	686133	7.37	ppbv	99
3) Chlorodifluoromethane	3.57	51	592949	10.82	ppbv	97
4) Chloromethane	3.75	50	344029	11.00	ppbv	100
5) Vinyl Chloride	3.89	62	360900	10.48	ppbv	100
6) Bromomethane	4.14	94	263221	11.58	ppbv	97
7) Chloroethane	4.24	64	154209	11.30	ppbv	100
8) Dichlorotetrafluoroethane	3.81	85	892519	11.30	ppbv	99
9) Propene	3.59	41	277254	10.52	ppbv	99
10) Heptane	9.36	43	992936	11.17	ppbv	96
11) Trichlorofluoromethane	4.70	101	1069709	12.14	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.31	101	683051	11.61	ppbv	98
13) Ethanol	4.33	45	20248	5.14	ppbv	93
14) Bromoethene	4.45	108	286313	11.56	ppbv	99
15) Acetone	4.60	43	625616	10.86	ppbv	97
16) 1,3-Butadiene	3.96	39	323274	11.39	ppbv	98
17) tert-Butyl alcohol	5.12	59	467372	11.31	ppbv	100
18) 1,1-Dichloroethene	5.09	96	307624	11.52	ppbv	96
19) Isopropyl Alcohol	4.75	45	210798	8.54	ppbv #	28
20) Methylene Chloride	5.15	84	281155	11.21	ppbv	99
21) Allyl Chloride	5.23	41	457097	11.26	ppbv	95
22) trans-1,2-Dichloroethene	5.76	96	402431	11.29	ppbv	98
23) Vinyl Acetate	5.98	43	1296959	11.69	ppbv	99
24) 1,1-Dichloroethane	5.91	63	863244	11.32	ppbv	99
25) Ethyl Acetate	6.67	43	1338806	11.16	ppbv	100
26) Hexane	6.66	57	656444	11.17	ppbv	98
27) Carbon Disulfide	5.39	76	850429	12.10	ppbv	98
28) Methyl tert-Butyl Ether	5.95	73	1172314	11.40	ppbv	99
29) Chloroform	6.75	83	1029133	11.82	ppbv	99
30) Cyclohexane	8.29	84	667427	11.57	ppbv	98
31) cis-1,2-Dichloroethene	6.52	61	640346	11.84	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	1053918	10.95	ppbv	98
34) 2-Butanone	6.20	43	857541	11.56	ppbv	99
35) Carbon Tetrachloride	8.17	117	1109303	11.98	ppbv	99
36) Benzene	8.03	78	1512736	11.63	ppbv	99
37) 1,2-Dichloroethane	7.38	62	852359	12.71	ppbv	98
38) Trichloroethene	9.07	130	633651	10.14	ppbv	97
39) 1,2-Dichloropropane	8.83	63	549471	11.60	ppbv	98
40) 1,4-Dioxane	9.13	88	56161	6.93	ppbv #	1
41) Tetrahydrofuran	7.12	42	499613	11.65	ppbv	98
42) Bromodichloromethane	9.03	83	1150304	12.81	ppbv	100
43) Methyl Methacrylate	9.27	69	582655	12.60	ppbv	98

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44) 2,2,4-Trimethylpentane	9.09	57	2396964	11.30	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	877843	13.47	ppbv	97
46) cis-1,3-Dichloropropene	10.02	75	1016704	12.83	ppbv	100
47) 1,1,2-Trichloroethane	10.88	97	672113	11.74	ppbv	99
48) Dibromochloromethane	11.81	129	1071475	13.09	ppbv	100
49) Bromoform	14.82	173	855428	13.45	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	1210180	12.18	ppbv	99
51) 2-Hexanone	11.62	43	1139289	12.60	ppbv #	100
52) Tetrachloroethene	12.80	164	669114	10.20	ppbv	97
53) Toluene	11.24	91	2077615	12.30	ppbv	99
54) 1,2-Dibromoethane	12.15	107	1080569	12.47	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.79	131	796857	12.39	ppbv	88
57) Chlorobenzene	13.82	112	1675957	11.52	ppbv	97
58) Ethyl Benzene	14.42	91	2937175	12.18	ppbv	99
59) m/p-Xylene	14.72	91	4525784	23.70	ppbv #	100
60) o-Xylene	15.50	91	2307866	11.56	ppbv	99
61) Styrene	15.32	104	1096023	12.91	ppbv	99
62) Isopropylbenzene	16.55	105	3109016	11.47	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.49	83	1543033	9.93	ppbv	100
64) n-propylbenzene	17.53	120	847547	11.51	ppbv	91
65) tert-Butylbenzene	18.82	119	2741079	11.21	ppbv	98
66) Benzyl Chloride	19.11	91	965093	12.66	ppbv	98
67) sec-Butylbenzene	19.42	105	3953551	11.40	ppbv	99
69) p-Isopropyltoluene	19.80	119	3247335	11.50	ppbv	99
70) n-Butylbenzene	20.77	91	3148490	11.72	ppbv	99
71) 2-Chlorotoluene	17.43	91	2321163	11.61	ppbv	100
72) 4-Ethyltoluene	17.83	105	2637289	11.76	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	2481842	11.73	ppbv	96
74) 1,2,4-Trimethylbenzene	18.84	105	2487235	11.23	ppbv	98
75) 1,3-Dichlorobenzene	19.13	146	1587178	11.07	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	1634533	11.21	ppbv	100
77) 1,2-Dichlorobenzene	20.03	146	1593520	11.14	ppbv	100
78) Hexachloro-1,3-Butadiene	24.68	225	590583	10.19	ppbv	99
79) Naphthalene	23.94	128	1774625	11.21	ppbv	99
80) Naphthalene, 2-methyl-	26.05	142	435886	14.92	ppbv	97
81) 1,2,4-Trichlorobenzene	23.74	180	847443	10.72	ppbv	100

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

