

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026214.D
 Acq On : 20 Oct 2015 17:10
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:31:27 PM

Quant Time: Oct 21 02:21:24 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 2015
 QLast Update : Tue Oct 20 20:24:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.64	49	554079	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1734681	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	2171965m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	1663897	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	1176242	10.24	ppbv	100
3) Chlorodifluoromethane	3.56	51	646017	9.21	ppbv	100
4) Chloromethane	3.73	50	368444	9.73	ppbv	100
5) Vinyl Chloride	3.87	62	385972	9.69	ppbv	100
6) Bromomethane	4.13	94	281068	9.82	ppbv	100
7) Chloroethane	4.23	64	166885	9.98	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	953625	9.66	ppbv	100
9) Propene	3.58	41	309620	9.43	ppbv	100
10) Heptane	9.34	43	1054034	9.59	ppbv	97
11) Trichlorofluoromethane	4.68	101	1132548	10.05	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	769666	10.01	ppbv	100
13) Ethanol	4.31	45	49070	9.96	ppbv	100
14) Bromoethene	4.43	108	321851	9.92	ppbv	100
15) Acetone	4.59	43	675167	8.28	ppbv	100
16) 1,3-Butadiene	3.95	39	348606	9.58	ppbv	100
17) tert-Butyl alcohol	5.11	59	651176	11.68	ppbv	100
18) 1,1-Dichloroethene	5.07	96	351739	10.13	ppbv	100
19) Isopropyl Alcohol	4.73	45	365220	11.45	ppbv	100
20) Methylene Chloride	5.14	84	318157	9.78	ppbv	100
21) Allyl Chloride	5.21	41	534281	10.03	ppbv	100
22) trans-1,2-Dichloroethene	5.74	96	442191	9.88	ppbv	100
23) Vinyl Acetate	5.96	43	1480485	9.84	ppbv	100
24) 1,1-Dichloroethane	5.89	63	926199	9.77	ppbv	100
25) Ethyl Acetate	6.65	43	1471921	9.63	ppbv	100
26) Hexane	6.64	57	724957	9.49	ppbv	100
27) Carbon Disulfide	5.37	76	1006630	10.30	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1364597	9.82	ppbv	100
29) Chloroform	6.73	83	1099733	9.92	ppbv	100
30) Cyclohexane	8.26	84	739594	9.68	ppbv	100
31) cis-1,2-Dichloroethene	6.50	61	688417	9.92	ppbv	100
32) 1,1,1-Trichloroethane	7.58	97	1177741	9.58	ppbv	100
34) 2-Butanone	6.18	43	916649	9.35	ppbv	100
35) Carbon Tetrachloride	8.15	117	1232164	9.32	ppbv	100
36) Benzene	8.01	78	1655681	9.37	ppbv	100
37) 1,2-Dichloroethane	7.35	62	890247	9.80	ppbv	100
38) Trichloroethene	9.05	130	695759	8.12	ppbv	100
39) 1,2-Dichloropropane	8.81	63	586034	9.43	ppbv	100
40) 1,4-Dioxane	9.10	88	154307	13.22	ppbv	100
41) Tetrahydrofuran	7.10	42	538377	9.49	ppbv	100
42) Bromodichloromethane	9.01	83	1259409	9.64	ppbv	100
43) Methyl Methacrylate	9.25	69	638085	9.92	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	9.07	57	2613473	9.14	ppbv	100
45) t-1,3-Dichloropropene	10.63	75	1017787	10.14	ppbv	100
46) cis-1,3-Dichloropropene	10.00	75	1157683	9.86	ppbv	100
47) 1,1,2-Trichloroethane	10.86	97	755557	9.68	ppbv	100
48) Dibromochloromethane	11.79	129	1249135	9.82	ppbv	100
49) Bromoform	14.80	173	1071201	9.97	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1303861	9.85	ppbv	100
51) 2-Hexanone	11.60	43	1253064	10.14	ppbv #	100
52) Tetrachloroethene	12.77	164	775303	7.65	ppbv	100
53) Toluene	11.22	91	2252637	9.37	ppbv	100
54) 1,2-Dibromoethane	12.13	107	1165987	9.65	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.77	131	904011	8.68	ppbv	100
57) Chlorobenzene	13.80	112	1885924	9.07	ppbv	100
58) Ethyl Benzene	14.40	91	3260522	9.26	ppbv	100
59) m/p-Xylene	14.69	91	4999278	18.14	ppbv	100
60) o-Xylene	15.47	91	2552976	8.86	ppbv	100
61) Styrene	15.29	104	1299403	9.97	ppbv	100
62) Isopropylbenzene	16.53	105	3664559	9.14	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.47	83	1648629	8.65	ppbv	100
64) n-propylbenzene	17.50	120	1024791	9.30	ppbv	97
65) tert-Butylbenzene	18.80	119	3196393	8.74	ppbv	100
66) Benzyl Chloride	19.08	91	1484683	9.83	ppbv	100
67) sec-Butylbenzene	19.39	105	4624751	9.07	ppbv	100
69) p-Isopropyltoluene	19.77	119	3871218	9.08	ppbv	100
70) n-Butylbenzene	20.74	91	3590042	9.21	ppbv	100
71) 2-Chlorotoluene	17.41	91	2748755	9.31	ppbv	100
72) 4-Ethyltoluene	17.80	105	3141499	9.37	ppbv	100
73) 1,3,5-Trimethylbenzene	17.97	105	2907451	9.30	ppbv	100
74) 1,2,4-Trimethylbenzene	18.82	105	2832896	8.74	ppbv	100
75) 1,3-Dichlorobenzene	19.10	146	1907998	9.01	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	2017483	9.12	ppbv	100
77) 1,2-Dichlorobenzene	20.01	146	1952129	9.15	ppbv	100
78) Hexachloro-1,3-Butadiene	24.66	225	891233	8.14	ppbv	100
79) Naphthalene	23.91	128	2674814	9.37	ppbv	100
80) Naphthalene, 2-methyl-	26.03	142	836366	16.32	ppbv	100
81) 1,2,4-Trichlorobenzene	23.72	180	1227159	8.93	ppbv	100

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

