

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026823.D
 Acq On : 9 Feb 2016 16:54
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 2/11/2016 1:22:48 PM

Quant Time: Feb 10 03:17:38 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 02:03:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	1683263	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.38	114	4359025	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	4431567m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.35	95	2997558	7.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	3580299	6.70	ppbv	100
3) Chlorodifluoromethane	3.60	51	1765712	5.46	ppbv	100
4) Chloromethane	3.78	50	1007654	10.08	ppbv	100
5) Vinyl Chloride	3.92	62	1126377	9.50	ppbv	100
6) Bromomethane	4.17	94	961907	9.42	ppbv	100
7) Chloroethane	4.27	64	513613	9.42	ppbv	100
8) Dichlorotetrafluoroethane	3.84	85	3075006	7.86	ppbv	100
9) Propene	3.62	41	741444	11.20	ppbv	100
10) Heptane	9.40	43	2486447	9.80	ppbv	100
11) Trichlorofluoromethane	4.73	101	4128167	6.71	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	2962366	8.20	ppbv	100
13) Ethanol	4.36	45	130533	8.58	ppbv	100
14) Bromoethene	4.48	108	1100758	9.43	ppbv	100
15) Acetone	4.64	43	1821825	4.60	ppbv	100
16) 1,3-Butadiene	4.00	39	884595	8.16	ppbv	100
17) tert-Butyl alcohol	5.17	59	1733089	8.16	ppbv	100
18) 1,1-Dichloroethene	5.12	96	1257612	9.06	ppbv	100
19) Isopropyl Alcohol	4.79	45	937968	8.99	ppbv	100
20) Methylene Chloride	5.18	84	1128198	8.77	ppbv	100
21) Allyl Chloride	5.26	41	1434190	8.56	ppbv	100
22) trans-1,2-Dichloroethene	5.81	96	1155476	8.73	ppbv	100
23) Vinyl Acetate	6.03	43	3278396	7.79	ppbv	100
24) 1,1-Dichloroethane	5.95	63	2432571	8.23	ppbv	100
25) Ethyl Acetate	6.71	43	3747409	9.61	ppbv	100
26) Hexane	6.70	57	1996745	10.29	ppbv	100
27) Carbon Disulfide	5.43	76	3379245	8.74	ppbv	100
28) Methyl tert-Butyl Ether	5.99	73	3235858	7.48	ppbv	100
29) Chloroform	6.79	83	2960626	6.82	ppbv	100
30) Cyclohexane	8.33	84	1655653	8.28	ppbv	100
31) cis-1,2-Dichloroethene	6.56	61	1734689	8.23	ppbv	100
32) 1,1,1-Trichloroethane	7.64	97	3037040	6.14	ppbv	100
34) 2-Butanone	6.24	43	2191517	10.81	ppbv	100
35) Carbon Tetrachloride	8.21	117	3319748	7.67	ppbv	100
36) Benzene	8.07	78	3708707	10.15	ppbv	100
37) 1,2-Dichloroethane	7.42	62	2246539	7.15	ppbv	100
38) Trichloroethene	9.12	130	1743555	10.10	ppbv	100
39) 1,2-Dichloropropane	8.88	63	1315769	10.71	ppbv	100
40) 1,4-Dioxane	9.16	88	308490	10.26	ppbv	100
41) Tetrahydrofuran	7.17	42	1220840	13.33	ppbv	100
42) Bromodichloromethane	9.07	83	3142073	7.71	ppbv	100
43) Methyl Methacrylate	9.31	69	1416130	10.07	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	6403801	11.02	ppbv	100
45) t-1,3-Dichloropropene	10.70	75	2045947	8.40	ppbv	100
46) cis-1,3-Dichloropropene	10.07	75	2405851	9.23	ppbv	100
47) 1,1,2-Trichloroethane	10.93	97	1518853	7.82	ppbv	100
48) Dibromochloromethane	11.85	129	2692186	7.36	ppbv	100
49) Bromoform	14.87	173	2119123	6.74	ppbv	100
50) 4-Methyl-2-Pentanone	10.14	43	2889822	10.25	ppbv	100
51) 2-Hexanone	11.66	43	2647118	9.75	ppbv	100
52) Tetrachloroethene	12.85	164	1543070	7.52	ppbv	100
53) Toluene	11.29	91	4492608	8.37	ppbv	100
54) 1,2-Dibromoethane	12.19	107	2337724	7.11	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	2023694	8.64	ppbv	100
57) Chlorobenzene	13.87	112	3668155	8.18	ppbv	100
58) Ethyl Benzene	14.47	91	5909568	8.14	ppbv	100
59) m/p-Xylene	14.77	91	9744044	15.33	ppbv	100
60) o-Xylene	15.55	91	5358882	7.63	ppbv	100
61) Styrene	15.37	104	2022934	8.01	ppbv	100
62) Isopropylbenzene	16.60	105	6394790	6.98	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	3543367	7.81	ppbv	100
64) n-propylbenzene	17.58	120	1654545	6.44	ppbv	100
65) tert-Butylbenzene	18.87	119	6208664	6.70	ppbv	100
66) Benzyl Chloride	19.16	91	2265231	6.48	ppbv	100
67) sec-Butylbenzene	19.47	105	7852813	5.79	ppbv	100
69) p-Isopropyltoluene	19.85	119	6657181	6.08	ppbv	100
70) n-Butylbenzene	20.81	91	6358617	5.58	ppbv	100
71) 2-Chlorotoluene	17.49	91	4666501	6.55	ppbv	100
72) 4-Ethyltoluene	17.88	105	5218742	6.53	ppbv	100
73) 1,3,5-Trimethylbenzene	18.05	105	4987599	6.35	ppbv	100
74) 1,2,4-Trimethylbenzene	18.89	105	5575110	6.41	ppbv	100
75) 1,3-Dichlorobenzene	19.18	146	3245325	5.68	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	3230899	5.64	ppbv	100
77) 1,2-Dichlorobenzene	20.08	146	3069751	5.18	ppbv	100
78) Hexachloro-1,3-Butadiene	24.72	225	1256954	4.33	ppbv	100
79) Naphthalene	23.98	128	2479163	3.30	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	945965	7.27	ppbv	100
81) 1,2,4-Trichlorobenzene	23.78	180	1330697	4.03	ppbv	100

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

