

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026824.D
 Acq On : 9 Feb 2016 17:35
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

MMDadoda
 2/11/2016 1:22:57 PM

Quant Time: Feb 10 02:46:46 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 02:46:46 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	1694782	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4564495	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	4469471	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	3177756	8.38	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	771912	1.43	ppbv	99
3) Chlorodifluoromethane	3.60	51	598108	1.84	ppbv	99
4) Chloromethane	3.78	50	226543	2.25	ppbv	99
5) Vinyl Chloride	3.92	62	242277	2.03	ppbv	97
6) Bromomethane	4.17	94	205978	2.00	ppbv	99
7) Chloroethane	4.28	64	110115	2.01	ppbv	95
8) Dichlorotetrafluoroethane	3.84	85	662492	1.68	ppbv	99
9) Propene	3.63	41	156191	2.34	ppbv	100
10) Heptane	9.40	43	501025	1.96	ppbv	98
11) Trichlorofluoromethane	4.73	101	890271	1.44	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	618183	1.70	ppbv	99
13) Ethanol	4.38	45	28838	1.88	ppbv	94
14) Bromoethene	4.49	108	228962	1.95	ppbv	100
15) Acetone	4.64	43	527976	1.32	ppbv #	76
16) 1,3-Butadiene	4.00	39	188317	1.73	ppbv	98
17) tert-Butyl alcohol	5.18	59	260637	1.22	ppbv	95
18) 1,1-Dichloroethene	5.12	96	263201	1.88	ppbv	96
19) Isopropyl Alcohol	4.81	45	163982	1.56	ppbv #	95
20) Methylene Chloride	5.18	84	239224	1.85	ppbv	98
21) Allyl Chloride	5.26	41	285019	1.69	ppbv	99
22) trans-1,2-Dichloroethene	5.81	96	234697	1.76	ppbv	97
23) Vinyl Acetate	6.02	43	670643	1.58	ppbv	98
24) 1,1-Dichloroethane	5.95	63	504098	1.69	ppbv	99
25) Ethyl Acetate	6.71	43	764019	1.95	ppbv	99
26) Hexane	6.70	57	404156	2.07	ppbv	98
27) Carbon Disulfide	5.43	76	691528	1.78	ppbv	99
28) Methyl tert-Butyl Ether	6.00	73	645973	1.48	ppbv	100
29) Chloroform	6.79	83	608513	1.39	ppbv	99
30) Cyclohexane	8.32	84	328928	1.63	ppbv	87
31) cis-1,2-Dichloroethene	6.56	61	332078	1.56	ppbv	99
32) 1,1,1-Trichloroethane	7.63	97	603598	1.21	ppbv	100
34) 2-Butanone	6.24	43	466773	2.20	ppbv	98
35) Carbon Tetrachloride	8.20	117	646799	1.43	ppbv	98
36) Benzene	8.06	78	737666	1.93	ppbv	99
37) 1,2-Dichloroethane	7.41	62	453037	1.38	ppbv	100
38) Trichloroethene	9.11	130	329237	1.82	ppbv	98
39) 1,2-Dichloropropane	8.87	63	273942	2.13	ppbv	99
40) 1,4-Dioxane	9.20	88	53053	1.69	ppbv #	1
41) Tetrahydrofuran	7.18	42	228677	2.38	ppbv	99
42) Bromodichloromethane	9.07	83	609722	1.43	ppbv	97
43) Methyl Methacrylate	9.31	69	256454	1.74	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	1306104	2.15	ppbv	99
45) t-1,3-Dichloropropene	10.69	75	335677	1.32	ppbv	99
46) cis-1,3-Dichloropropene	10.06	75	417660	1.53	ppbv	99
47) 1,1,2-Trichloroethane	10.92	97	295716	1.45	ppbv	99
48) Dibromochloromethane	11.85	129	478982	1.25	ppbv	100
49) Bromoform	14.86	173	349775	1.06	ppbv	99
50) 4-Methyl-2-Pentanone	10.14	43	552136	1.87	ppbv	99
51) 2-Hexanone	11.68	43	458462	1.61	ppbv #	99
52) Tetrachloroethene	12.84	164	279026	1.30	ppbv	99
53) Toluene	11.28	91	845070	1.50	ppbv	99
54) 1,2-Dibromoethane	12.19	107	444235	1.29	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.83	131	370079	1.57	ppbv #	1
57) Chlorobenzene	13.86	112	702313	1.55	ppbv	98
58) Ethyl Benzene	14.46	91	1120180	1.53	ppbv	96
59) m/p-Xylene	14.76	91	1871163m	2.92	ppbv	
60) o-Xylene	15.54	91	994282	1.40	ppbv	98
61) Styrene	15.36	104	342450	1.34	ppbv	99
62) Isopropylbenzene	16.59	105	1210981	1.31	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.53	83	647479	1.42	ppbv	100
64) n-propylbenzene	17.57	120	302101	1.17	ppbv	82
65) tert-Butylbenzene	18.86	119	1088256	1.16	ppbv	99
66) Benzyl Chloride	19.16	91	320386	0.91	ppbv	98
67) sec-Butylbenzene	19.46	105	1467983	1.07	ppbv	98
69) p-Isopropyltoluene	19.84	119	1178447	1.07	ppbv	99
70) n-Butylbenzene	20.80	91	1149510	1.00	ppbv	97
71) 2-Chlorotoluene	17.47	91	844009	1.17	ppbv	100
72) 4-Ethyltoluene	17.87	105	943701	1.17	ppbv	99
73) 1,3,5-Trimethylbenzene	18.03	105	894797	1.13	ppbv	94
74) 1,2,4-Trimethylbenzene	18.88	105	1002549	1.14	ppbv	97
75) 1,3-Dichlorobenzene	19.17	146	597522	1.04	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	580887	1.01	ppbv	99
77) 1,2-Dichlorobenzene	20.08	146	568237	0.95	ppbv	100
78) Hexachloro-1,3-Butadiene	24.72	225	277395	0.95	ppbv	99
79) Naphthalene	23.98	128	530930	0.70	ppbv	99
80) Naphthalene, 2-methyl-	26.09	142	210417	1.60	ppbv	97
81) 1,2,4-Trichlorobenzene	23.78	180	271057	0.81	ppbv	99

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

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