

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026174.D
 Acq On : 9 Oct 2015 12:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:26 PM

Quant Time: Oct 09 14:28:59 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:28:59 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	929285	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2510991	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2928031	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	2251995	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	188773	1.42	ppbv	97
3) Chlorodifluoromethane	3.57	51	114974	1.08	ppbv	99
4) Chloromethane	3.76	50	62455	0.99	ppbv	99
5) Vinyl Chloride	3.89	62	61773	0.92	ppbv	98
6) Bromomethane	4.15	94	44559	1.05	ppbv	98
7) Chloroethane	4.25	64	27379	1.04	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	158997	1.10	ppbv	98
9) Propene	3.60	41	50514	0.93	ppbv	97
10) Heptane	9.37	43	179540	0.96	ppbv	100
11) Trichlorofluoromethane	4.70	101	174124	1.14	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	117375	1.11	ppbv	99
13) Ethanol	4.36	45	8548m	1.30	ppbv	
14) Bromoethene	4.46	108	48572	1.08	ppbv	97
15) Acetone	4.62	43	129038	1.12	ppbv #	85
16) 1,3-Butadiene	3.98	39	57473	1.00	ppbv	95
17) tert-Butyl alcohol	5.16	59	71887	0.96	ppbv	98
18) 1,1-Dichloroethene	5.09	96	52916	1.07	ppbv	97
19) Isopropyl Alcohol	4.78	45	50895	1.05	ppbv #	1
20) Methylene Chloride	5.16	84	51737	1.05	ppbv	98
21) Allyl Chloride	5.23	41	74181	0.93	ppbv #	81
22) trans-1,2-Dichloroethene	5.78	96	68705	1.04	ppbv	92
23) Vinyl Acetate	5.99	43	210724	0.96	ppbv	99
24) 1,1-Dichloroethane	5.92	63	150368	1.02	ppbv	99
25) Ethyl Acetate	6.69	43	237017	0.97	ppbv	99
26) Hexane	6.67	57	117719	1.00	ppbv	99
27) Carbon Disulfide	5.40	76	127850	1.02	ppbv #	94
28) Methyl tert-Butyl Ether	5.98	73	181565	1.02	ppbv	100
29) Chloroform	6.75	83	171948	1.05	ppbv	95
30) Cyclohexane	8.29	84	107623	0.96	ppbv #	79
31) cis-1,2-Dichloroethene	6.53	61	101788	0.95	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	157260	0.96	ppbv	98
34) 2-Butanone	6.22	43	143821	0.89	ppbv	99
35) Carbon Tetrachloride	8.17	117	162847	0.97	ppbv	97
36) Benzene	8.03	78	249310	0.94	ppbv	98
37) 1,2-Dichloroethane	7.38	62	132105	1.00	ppbv	100
38) Trichloroethene	9.07	130	108319	0.93	ppbv	93
39) 1,2-Dichloropropane	8.83	63	91268	0.92	ppbv	98
40) 1,4-Dioxane	9.18	88	14267	0.98	ppbv #	1
41) Tetrahydrofuran	7.16	42	79225	0.84	ppbv	97
42) Bromodichloromethane	9.03	83	170799	0.98	ppbv	99
43) Methyl Methacrylate	9.28	69	83685	0.89	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	435054	0.97	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	106457	0.86	ppbv	100
46) cis-1,3-Dichloropropene	10.03	75	136920	0.89	ppbv	95
47) 1,1,2-Trichloroethane	10.89	97	109575	0.97	ppbv	98
48) Dibromochloromethane	11.81	129	150205	0.98	ppbv	100
49) Bromoform	14.82	173	105665	0.93	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	186578	0.86	ppbv	99
51) 2-Hexanone	11.65	43	161772	0.82	ppbv #	96
52) Tetrachloroethene	12.80	164	112683	0.93	ppbv	96
53) Toluene	11.25	91	320129	0.95	ppbv	99
54) 1,2-Dibromoethane	12.15	107	165117	0.98	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.79	131	121430	1.00	ppbv #	1
57) Chlorobenzene	13.82	112	291143	1.01	ppbv	97
58) Ethyl Benzene	14.43	91	450477	0.93	ppbv	97
59) m/p-Xylene	14.72	91	740046m	1.94	ppbv	
60) o-Xylene	15.51	91	389940	0.98	ppbv	100
61) Styrene	15.32	104	142714	0.84	ppbv	99
62) Isopropylbenzene	16.56	105	505166	0.97	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.49	83	274879	0.90	ppbv	100
64) n-propylbenzene	17.54	120	133457	0.96	ppbv	91
65) tert-Butylbenzene	18.83	119	455874	1.00	ppbv	100
66) Benzyl Chloride	19.11	91	104687	0.84	ppbv	96
67) sec-Butylbenzene	19.43	105	620677	0.96	ppbv	98
69) p-Isopropyltoluene	19.80	119	490555	0.94	ppbv	100
70) n-Butylbenzene	20.77	91	474122	0.91	ppbv	97
71) 2-Chlorotoluene	17.44	91	361071	0.91	ppbv	98
72) 4-Ethyltoluene	17.83	105	397829	0.92	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	376968	0.94	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	415154	0.98	ppbv	92
75) 1,3-Dichlorobenzene	19.13	146	252982	0.97	ppbv	99
76) 1,4-Dichlorobenzene	19.28	146	256149	0.95	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	248477	0.95	ppbv	100
78) Hexachloro-1,3-Butadiene	24.69	225	104772	1.00	ppbv	99
79) Naphthalene	23.95	128	240698	0.73	ppbv	98
80) Naphthalene, 2-methyl-	26.06	142	52062	0.68	ppbv	95
81) 1,2,4-Trichlorobenzene	23.75	180	122201	0.77	ppbv	99

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

