

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026266.D
 Acq On : 29 Oct 2015 13:16
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:35 PM

Quant Time: Oct 29 14:06:32 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:06:32 2015
 QLast Update : Thu Oct 29 14:04:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	538926	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1658978	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	2088677m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.35	95	1498533	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	1623209	14.45	ppbv	100
3) Chlorodifluoromethane	3.59	51	881683	12.87	ppbv	98
4) Chloromethane	3.78	50	540292	13.97	ppbv	99
5) Vinyl Chloride	3.91	62	546534	12.75	ppbv	98
6) Bromomethane	4.17	94	393277	13.89	ppbv	100
7) Chloroethane	4.26	64	236934	13.99	ppbv	100
8) Dichlorotetrafluoroethane	3.83	85	1295455	13.12	ppbv	99
9) Propene	3.62	41	440723	13.45	ppbv	99
10) Heptane	9.40	43	1502427	13.62	ppbv	98
11) Trichlorofluoromethane	4.72	101	1516732	13.78	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	975742	13.19	ppbv	99
13) Ethanol	4.35	45	63456	14.16	ppbv	93
14) Bromoethene	4.48	108	430152	13.86	ppbv	100
15) Acetone	4.63	43	904317	12.53	ppbv	98
16) 1,3-Butadiene	4.00	39	486322	13.67	ppbv	100
17) tert-Butyl alcohol	5.15	59	763391	14.27	ppbv	100
18) 1,1-Dichloroethene	5.12	96	454468	13.55	ppbv	95
19) Isopropyl Alcohol	4.78	45	461330	15.28	ppbv #	27
20) Methylene Chloride	5.18	84	419393	13.34	ppbv	99
21) Allyl Chloride	5.26	41	709204	13.94	ppbv	98
22) trans-1,2-Dichloroethene	5.80	96	616493	13.85	ppbv	99
23) Vinyl Acetate	6.02	43	2033647	14.68	ppbv	99
24) 1,1-Dichloroethane	5.95	63	1294368	13.63	ppbv	99
25) Ethyl Acetate	6.71	43	2005182	13.35	ppbv	100
26) Hexane	6.70	57	976337	13.24	ppbv	99
27) Carbon Disulfide	5.42	76	1280500	14.44	ppbv	98
28) Methyl tert-Butyl Ether	5.99	73	1784952	13.75	ppbv	100
29) Chloroform	6.79	83	1505731	13.83	ppbv	100
30) Cyclohexane	8.32	84	998993	13.79	ppbv	99
31) cis-1,2-Dichloroethene	6.56	61	966055	14.32	ppbv	99
32) 1,1,1-Trichloroethane	7.64	97	1544318	12.79	ppbv	99
34) 2-Butanone	6.23	43	1318524	13.23	ppbv	100
35) Carbon Tetrachloride	8.21	117	1590538	12.62	ppbv	98
36) Benzene	8.07	78	2259972	12.85	ppbv	98
37) 1,2-Dichloroethane	7.42	62	1223449	13.48	ppbv	99
38) Trichloroethene	9.11	130	860165	10.12	ppbv	98
39) 1,2-Dichloropropane	8.87	63	825413	12.97	ppbv	98
40) 1,4-Dioxane	9.16	88	204969	23.59	ppbv	69
41) Tetrahydrofuran	7.16	42	790682	13.76	ppbv	100
42) Bromodichloromethane	9.07	83	1652112	13.51	ppbv	100
43) Methyl Methacrylate	9.31	69	879516	14.07	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	3426350	11.94	ppbv	99
45) t-1,3-Dichloropropene	10.70	75	1342084	15.07	ppbv	99
46) cis-1,3-Dichloropropene	10.07	75	1532728	14.20	ppbv	99
47) 1,1,2-Trichloroethane	10.93	97	1004808	12.93	ppbv	99
48) Dibromochloromethane	11.85	129	1581031	14.07	ppbv	100
49) Bromoform	14.87	173	1266225	14.27	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	1840525	13.75	ppbv	99
51) 2-Hexanone	11.66	43	1778123	14.57	ppbv #	100
52) Tetrachloroethene	12.84	164	954071	10.66	ppbv	98
53) Toluene	11.29	91	2980950	12.98	ppbv	100
54) 1,2-Dibromoethane	12.19	107	1532160	12.99	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.84	131	1106358	12.04	ppbv	90
57) Chlorobenzene	13.87	112	2346233	11.32	ppbv	98
58) Ethyl Benzene	14.47	91	4153888	12.11	ppbv	100
59) m/p-Xylene	14.77	91	6266698	23.03	ppbv #	100
60) o-Xylene	15.55	91	3169888	11.13	ppbv	100
61) Styrene	15.36	104	1654218	13.62	ppbv	99
62) Isopropylbenzene	16.60	105	4536483	11.72	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	2127375	10.63	ppbv	100
64) n-propylbenzene	17.58	120	1260006	11.94	ppbv	100
65) tert-Butylbenzene	18.87	119	3853892	11.02	ppbv	99
66) Benzyl Chloride	19.16	91	1623045	14.45	ppbv	99
67) sec-Butylbenzene	19.47	105	5685318	11.49	ppbv	100
69) p-Isopropyltoluene	19.85	119	4680084	11.57	ppbv	99
70) n-Butylbenzene	20.81	91	4478341	11.69	ppbv	100
71) 2-Chlorotoluene	17.49	91	3455107	12.13	ppbv	100
72) 4-Ethyltoluene	17.88	105	3899580	12.16	ppbv	100
73) 1,3,5-Trimethylbenzene	18.05	105	3627629	12.00	ppbv	100
74) 1,2,4-Trimethylbenzene	18.89	105	3497526	11.08	ppbv	96
75) 1,3-Dichlorobenzene	19.18	146	2329483	11.33	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	2430520	11.59	ppbv	100
77) 1,2-Dichlorobenzene	20.08	146	2364809	11.51	ppbv	99
78) Hexachloro-1,3-Butadiene	24.72	225	842076	9.80	ppbv	100
79) Naphthalene	23.97	128	2752578	11.63	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	683555	17.08	ppbv	97
81) 1,2,4-Trichlorobenzene	23.78	180	1282716	11.03	ppbv	100

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

