

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL011216\
 Data File : VL026682.D
 Acq On : 12 Jan 2016 19:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 1/13/2016 2:18:38 PM

Quant Time: Jan 13 06:04:19 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 13 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	854836	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	8.37	114	2566272	10.00	ppbv	0.06
55) Chlorobenzene-d5	13.79	117	3105202m	10.00	ppbv	0.07

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2659622	10.75	ppbv	0.07
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	2384506	10.49	ppbv	97
3) Chlorodifluoromethane	3.60	51	1126766	9.90	ppbv	100
4) Chloromethane	3.78	50	563628	10.13	ppbv	99
5) Vinyl Chloride	3.92	62	647287	9.60	ppbv	99
6) Bromomethane	4.17	94	495220	10.31	ppbv	100
7) Chloroethane	4.27	64	292492	10.73	ppbv	96
8) Dichlorotetrafluoroethane	3.83	85	1813715	10.15	ppbv	98
9) Propene	3.62	41	423123	10.34	ppbv	99
10) Heptane	9.40	43	1599452	10.49	ppbv	97
11) Trichlorofluoromethane	4.73	101	2381527	10.11	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	1480687	10.23	ppbv	100
13) Ethanol	4.36	45	71597	9.21	ppbv	98
14) Bromoethene	4.48	108	555006	10.64	ppbv	99
15) Acetone	4.63	43	1312272	9.33	ppbv	100
16) 1,3-Butadiene	4.00	39	590762	10.52	ppbv	97
17) tert-Butyl alcohol	5.16	59	1016499	9.59	ppbv	94
18) 1,1-Dichloroethene	5.12	96	635783	10.53	ppbv	95
19) Isopropyl Alcohol	4.78	45	621541	10.72	ppbv	100
20) Methylene Chloride	5.18	84	581477	10.08	ppbv	96
21) Allyl Chloride	5.26	41	909007	10.54	ppbv	97
22) trans-1,2-Dichloroethene	5.80	96	716535	10.39	ppbv	98
23) Vinyl Acetate	6.02	43	2343167	10.85	ppbv	99
24) 1,1-Dichloroethane	5.95	63	1570531	10.09	ppbv	99
25) Ethyl Acetate	6.71	43	2349351	10.82	ppbv	100
26) Hexane	6.70	57	1170229	10.43	ppbv	100
27) Carbon Disulfide	5.42	76	1814984	10.88	ppbv	100
28) Methyl tert-Butyl Ether	5.99	73	2366918	10.61	ppbv	100
29) Chloroform	6.79	83	2077687	10.20	ppbv	100
30) Cyclohexane	8.32	84	1183350	10.68	ppbv	99
31) cis-1,2-Dichloroethene	6.56	61	1214093	10.73	ppbv	98
32) 1,1,1-Trichloroethane	7.63	97	2245914	9.76	ppbv	99
34) 2-Butanone	6.24	43	1396837	10.21	ppbv	100
35) Carbon Tetrachloride	8.20	117	2212177	9.80	ppbv	100
36) Benzene	8.07	78	2669555	10.11	ppbv	99
37) 1,2-Dichloroethane	7.42	62	1852216	10.26	ppbv	100
38) Trichloroethene	9.10	130	1032129	8.76	ppbv	98
39) 1,2-Dichloropropane	8.87	63	923998	10.12	ppbv	97
40) 1,4-Dioxane	9.16	88	258955	12.34	ppbv	67
41) Tetrahydrofuran	7.16	42	757883	11.19	ppbv	97
42) Bromodichloromethane	9.07	83	2396464	10.27	ppbv	99
43) Methyl Methacrylate	9.31	69	1059303	10.98	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	4292467	10.07	ppbv	99
45) t-1,3-Dichloropropene	10.70	75	1793193	11.48	ppbv	98
46) cis-1,3-Dichloropropene	10.06	75	1992202	11.22	ppbv	98
47) 1,1,2-Trichloroethane	10.93	97	1278559	9.82	ppbv	96
48) Dibromochloromethane	11.85	129	2047831	10.49	ppbv	100
49) Bromoform	14.87	173	1680939	10.55	ppbv	99
50) 4-Methyl-2-Pentanone	10.13	43	2107560	10.96	ppbv	99
51) 2-Hexanone	11.66	43	2039474	11.51	ppbv	98
52) Tetrachloroethene	12.84	164	1171939	8.88	ppbv	98
53) Toluene	11.28	91	3832478	10.30	ppbv	100
54) 1,2-Dibromoethane	12.19	107	2024606	9.83	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.83	131	1533003	10.73	ppbv	98
57) Chlorobenzene	13.86	112	3160312	9.88	ppbv	99
58) Ethyl Benzene	14.46	91	6052254	10.91	ppbv	99
59) m/p-Xylene	14.76	91	9329271	20.41	ppbv	100
60) o-Xylene	15.54	91	4804259	9.73	ppbv	100
61) Styrene	15.36	104	2265582	11.74	ppbv	100
62) Isopropylbenzene	16.59	105	6702054	10.25	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	3034477	8.24	ppbv	99
64) n-propylbenzene	17.57	120	1753340	10.00	ppbv	99
65) tert-Butylbenzene	18.86	119	5542444	9.25	ppbv	100
66) Benzyl Chloride	19.15	91	2390393	11.16	ppbv	100
67) sec-Butylbenzene	19.46	105	8508226	9.57	ppbv	100
69) p-Isopropyltoluene	19.83	119	6690544	9.84	ppbv	100
70) n-Butylbenzene	20.80	91	6967155	9.84	ppbv	100
71) 2-Chlorotoluene	17.47	91	5314368	10.43	ppbv	99
72) 4-Ethyltoluene	17.86	105	5730241	10.38	ppbv	100
73) 1,3,5-Trimethylbenzene	18.04	105	5290718	10.11	ppbv	100
74) 1,2,4-Trimethylbenzene	18.88	105	5091304	9.16	ppbv	97
75) 1,3-Dichlorobenzene	19.17	146	3142428	9.15	ppbv	100
76) 1,4-Dichlorobenzene	19.32	146	3282325	9.32	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	3258560	9.35	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	1293936	9.10	ppbv	99
79) Naphthalene	23.97	128	3708333	9.89	ppbv	99
80) Naphthalene, 2-methyl-	26.08	142	668191	11.47	ppbv	99
81) 1,2,4-Trichlorobenzene	23.77	180	1653672	9.68	ppbv	98

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

