

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025781.D
 Acq On : 28 Jul 2015 9:59
 Operator : SY/MD
 Sample : VSTDCCV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCV010

Manual Integrations
 APPROVED

sam
 7/28/2015 12:00:07 PM

Quant Time: Jul 28 10:38:39 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	597357	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	1660473	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.75	117	2198518m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1900138	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.64	85	804053	5.20	ppbv	98
3) Chlorodifluoromethane	3.57	51	650197	7.72	ppbv	99
4) Chloromethane	3.75	50	310617	8.09	ppbv	99
5) Vinyl Chloride	3.89	62	337356	8.14	ppbv	100
6) Bromomethane	4.14	94	290457	8.63	ppbv	98
7) Chloroethane	4.24	64	155508	8.06	ppbv	98
8) Dichlorotetrafluoroethane	3.80	85	1100448	8.11	ppbv	99
9) Propene	3.59	41	215134	7.69	ppbv	100
10) Heptane	9.35	43	933763	8.58	ppbv	98
11) Trichlorofluoromethane	4.69	101	1698698	8.46	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.30	101	947567	8.23	ppbv	100
13) Ethanol	4.32	45	27327	6.28	ppbv	94
14) Bromoethene	4.45	108	307081	8.13	ppbv	99
15) Acetone	4.59	43	1247802	11.82	ppbv	97
16) 1,3-Butadiene	3.96	39	347526	8.27	ppbv	97
17) tert-Butyl alcohol	5.12	59	743718	8.40	ppbv	100
18) 1,1-Dichloroethene	5.08	96	363037	8.24	ppbv	99
19) Isopropyl Alcohol	4.75	45	287809	6.83	ppbv #	96
20) Methylene Chloride	5.15	84	325409	7.59	ppbv	91
21) Allyl Chloride	5.23	41	512619	7.76	ppbv	94
22) trans-1,2-Dichloroethene	5.76	96	365091	8.11	ppbv	95
23) Vinyl Acetate	5.98	43	1522882	9.52	ppbv	99
24) 1,1-Dichloroethane	5.91	63	862114	8.04	ppbv	99
25) Ethyl Acetate	6.67	43	1309608	8.20	ppbv	99
26) Hexane	6.66	57	609164	8.10	ppbv	98
27) Carbon Disulfide	5.39	76	1013207	8.32	ppbv	99
28) Methyl tert-Butyl Ether	5.95	73	1269124	8.49	ppbv	100
29) Chloroform	6.75	83	1212327	8.16	ppbv	99
30) Cyclohexane	8.29	84	613040	8.53	ppbv	99
31) cis-1,2-Dichloroethene	6.52	61	644655	8.63	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	1377024	8.53	ppbv	99
34) 2-Butanone	6.20	43	808014	8.58	ppbv	99
35) Carbon Tetrachloride	8.17	117	1492413	8.44	ppbv	99
36) Benzene	8.02	78	1342384	8.44	ppbv	99
37) 1,2-Dichloroethane	7.37	62	1113094	8.20	ppbv	100
38) Trichloroethene	9.07	130	629881	8.52	ppbv	98
39) 1,2-Dichloropropane	8.83	63	476692	8.12	ppbv	96
40) 1,4-Dioxane	9.13	88	62332	6.77	ppbv #	1
41) Tetrahydrofuran	7.12	42	397855	8.46	ppbv	99
42) Bromodichloromethane	9.02	83	1405322	8.58	ppbv	99
43) Methyl Methacrylate	9.26	69	566620	9.28	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	2300797	8.43	ppbv	98
45) t-1,3-Dichloropropene	10.65	75	932530	9.08	ppbv	100
46) cis-1,3-Dichloropropene	10.02	75	1026000	9.04	ppbv	100
47) 1,1,2-Trichloroethane	10.88	97	687624	8.41	ppbv	98
48) Dibromochloromethane	11.80	129	1282603	8.77	ppbv	99
49) Bromoform	14.82	173	1055352	8.75	ppbv	99
50) 4-Methyl-2-Pentanone	10.09	43	1224808	9.02	ppbv	100
51) 2-Hexanone	11.62	43	1180852	9.70	ppbv #	100
52) Tetrachloroethene	12.80	164	712400	8.93	ppbv	99
53) Toluene	11.24	91	2020517	9.04	ppbv	99
54) 1,2-Dibromoethane	12.15	107	1118858	8.46	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.79	131	978094	8.23	ppbv	97
57) Chlorobenzene	13.82	112	1844791	7.89	ppbv	99
58) Ethyl Benzene	14.41	91	3250568	8.95	ppbv	99
59) m/p-Xylene	14.72	91	5401986m	16.93	ppbv	
60) o-Xylene	15.49	91	2862971	8.33	ppbv	100
61) Styrene	15.31	104	1204197	10.00	ppbv	98
62) Isopropylbenzene	16.55	105	3844833	8.56	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.49	83	1778297	7.65	ppbv	100
64) n-propylbenzene	17.52	120	1042856	8.59	ppbv	98
65) tert-Butylbenzene	18.82	119	3657096	8.29	ppbv	99
66) Benzyl Chloride	19.11	91	1130500	6.99	ppbv	100
67) sec-Butylbenzene	19.41	105	5179527	8.38	ppbv	100
69) p-Isopropyltoluene	19.80	119	4470721	8.78	ppbv	99
70) n-Butylbenzene	20.76	91	4497092	8.71	ppbv	99
71) 2-Chlorotoluene	17.43	91	2921171	8.87	ppbv	100
72) 4-Ethyltoluene	17.82	105	3386268	8.91	ppbv	99
73) 1,3,5-Trimethylbenzene	17.99	105	3250065	8.70	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	3438275	8.22	ppbv	97
75) 1,3-Dichlorobenzene	19.13	146	2152820	7.91	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	2205199	8.08	ppbv	100
77) 1,2-Dichlorobenzene	20.03	146	2149092	7.95	ppbv	99
78) Hexachloro-1,3-Butadiene	24.67	225	1210538	7.28	ppbv	99
79) Naphthalene	23.93	128	3134251	7.76	ppbv	99
80) Naphthalene,2-methyl-	26.05	142	618004	5.26	ppbv	97
81) 1,2,4-Trichlorobenzene	23.74	180	1616284	8.34	ppbv	99

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

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