

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025749.D
 Acq On : 27 Jul 2015 11:11
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

sam
 7/28/2015 11:59:14 AM

Quant Time: Jul 27 12:04:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 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	694987	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	1911584	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.75	117	2416670m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	1783668	8.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.64	85	1330514	7.39	ppbv	100
3) Chlorodifluoromethane	3.56	51	804410	8.21	ppbv	99
4) Chloromethane	3.75	50	370355	8.29	ppbv	100
5) Vinyl Chloride	3.89	62	412241	8.54	ppbv	99
6) Bromomethane	4.14	94	335010	8.56	ppbv	96
7) Chloroethane	4.23	64	192613	8.58	ppbv	99
8) Dichlorotetrafluoroethane	3.80	85	1287175	8.15	ppbv	100
9) Propene	3.59	41	274887	8.45	ppbv	99
10) Heptane	9.35	43	1178387	9.30	ppbv	98
11) Trichlorofluoromethane	4.69	101	1927562	8.25	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.30	101	1109257	8.28	ppbv	100
13) Ethanol	4.33	45	35605m	7.04	ppbv	
14) Bromoethene	4.45	108	376253	8.56	ppbv	99
15) Acetone	4.60	43	942262	7.67	ppbv	99
16) 1,3-Butadiene	3.96	39	410380	8.40	ppbv	99
17) tert-Butyl alcohol	5.12	59	903956	8.77	ppbv	99
18) 1,1-Dichloroethene	5.08	96	440331	8.59	ppbv	99
19) Isopropyl Alcohol	4.74	45	358044	7.31	ppbv #	98
20) Methylene Chloride	5.15	84	401006	8.04	ppbv	97
21) Allyl Chloride	5.22	41	670885	8.73	ppbv	98
22) trans-1,2-Dichloroethene	5.76	96	467129	8.92	ppbv	98
23) Vinyl Acetate	5.98	43	1735906	9.33	ppbv	99
24) 1,1-Dichloroethane	5.91	63	1072439	8.60	ppbv	99
25) Ethyl Acetate	6.67	43	1644883	8.85	ppbv	99
26) Hexane	6.66	57	769779	8.80	ppbv	99
27) Carbon Disulfide	5.39	76	1256195	8.87	ppbv	99
28) Methyl tert-Butyl Ether	5.95	73	1605122	9.23	ppbv	100
29) Chloroform	6.75	83	1450395	8.39	ppbv	99
30) Cyclohexane	8.28	84	781773	9.35	ppbv	98
31) cis-1,2-Dichloroethene	6.52	61	821769	9.45	ppbv	100
32) 1,1,1-Trichloroethane	7.60	97	1636672	8.72	ppbv	99
34) 2-Butanone	6.20	43	1009436	9.31	ppbv	99
35) Carbon Tetrachloride	8.16	117	1744350	8.56	ppbv	99
36) Benzene	8.02	78	1699635	9.29	ppbv	99
37) 1,2-Dichloroethane	7.37	62	1356674	8.68	ppbv	99
38) Trichloroethene	9.07	130	771311	9.06	ppbv	99
39) 1,2-Dichloropropane	8.83	63	610429	9.03	ppbv	96
40) 1,4-Dioxane	9.13	88	80635	7.60	ppbv #	1
41) Tetrahydrofuran	7.12	42	536177	9.90	ppbv	100
42) Bromodichloromethane	9.02	83	1700484	9.02	ppbv	100
43) Methyl Methacrylate	9.27	69	705610	10.04	ppbv	100

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025749.D
 Acq On : 27 Jul 2015 11:11
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

sam
 7/28/2015 11:59:14 AM

Quant Time: Jul 27 12:04:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	2891207	9.21	ppbv	99
45) t-1,3-Dichloropropene	10.65	75	1230808	10.42	ppbv	98
46) cis-1,3-Dichloropropene	10.02	75	1349494	10.33	ppbv	97
47) 1,1,2-Trichloroethane	10.88	97	855000	9.09	ppbv	98
48) Dibromochloromethane	11.80	129	1555747	9.24	ppbv	99
49) Bromoform	14.82	173	1267028	9.13	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	1524719	9.76	ppbv	99
51) 2-Hexanone	11.62	43	1470342	10.49	ppbv	99
52) Tetrachloroethene	12.79	164	869003	9.46	ppbv	100
53) Toluene	11.24	91	2500442	9.72	ppbv	100
54) 1,2-Dibromoethane	12.15	107	1389211	9.13	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.79	131	1127766	8.63	ppbv	100
57) Chlorobenzene	13.82	112	2222520	8.64	ppbv	98
58) Ethyl Benzene	14.41	91	3857679	9.67	ppbv	99
59) m/p-Xylene	14.72	91	6320799	18.02	ppbv	100
60) o-Xylene	15.49	91	3360081	8.90	ppbv	100
61) Styrene	15.32	104	1417489	10.71	ppbv	99
62) Isopropylbenzene	16.55	105	4429643	8.97	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.49	83	2142902	8.39	ppbv	100
64) n-propylbenzene	17.52	120	1194461	8.95	ppbv	97
65) tert-Butylbenzene	18.82	119	4196589	8.66	ppbv	100
66) Benzyl Chloride	19.11	91	1782874	10.03	ppbv	100
67) sec-Butylbenzene	19.41	105	5890377	8.67	ppbv	100
69) p-Isopropyltoluene	19.79	119	4943742	8.83	ppbv	100
70) n-Butylbenzene	20.76	91	4889094	8.61	ppbv	99
71) 2-Chlorotoluene	17.43	91	3355411	9.27	ppbv	100
72) 4-Ethyltoluene	17.82	105	3853693	9.23	ppbv	99
73) 1,3,5-Trimethylbenzene	17.99	105	3666519	8.93	ppbv	99
74) 1,2,4-Trimethylbenzene	18.84	105	3858035	8.39	ppbv	93
75) 1,3-Dichlorobenzene	19.13	146	2421997	8.09	ppbv	99
76) 1,4-Dichlorobenzene	19.28	146	2507888	8.36	ppbv	100
77) 1,2-Dichlorobenzene	20.03	146	2466625	8.30	ppbv	100
78) Hexachloro-1,3-Butadiene	24.67	225	1374569	7.52	ppbv	99
79) Naphthalene	23.93	128	3670665	8.27	ppbv	100
80) Naphthalene,2-methyl-	26.05	142	1299974	10.07	ppbv	98
81) 1,2,4-Trichlorobenzene	23.74	180	1718044	8.07	ppbv	100

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

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025749.D
Acq On : 27 Jul 2015 11:11
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

sam
7/28/2015 11:59:14 AM

Quant Time: Jul 27 12:04:18 2015

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul

QLast Update : Wed Jul 08 02:22:55 2015

Response via : Initial Calibration

