

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026235.D
 Acq On : 21 Oct 2015 12:08
 Operator : SY/MD
 Sample : VL1021ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:35:44 PM

Quant Time: Oct 22 09:15:17 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 22 09:15:17 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	481816	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.30	114	1511896	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	1898023m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	1473140	10.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	1126612	11.28	ppbv	99
3) Chlorodifluoromethane	3.55	51	623755	10.22	ppbv	99
4) Chloromethane	3.73	50	352613	10.71	ppbv	98
5) Vinyl Chloride	3.87	62	370394	10.69	ppbv	98
6) Bromomethane	4.12	94	272744	10.96	ppbv	97
7) Chloroethane	4.21	64	161550	11.11	ppbv	98
8) Dichlorotetrafluoroethane	3.78	85	893773	10.42	ppbv	100
9) Propene	3.57	41	294498	10.31	ppbv	100
10) Heptane	9.32	43	981562	10.27	ppbv	98
11) Trichlorofluoromethane	4.67	101	1090222	11.13	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.28	101	715879	10.71	ppbv	99
13) Ethanol	4.31	45	42012	9.81	ppbv	97
14) Bromoethene	4.43	108	307189	10.89	ppbv	99
15) Acetone	4.57	43	649523	9.16	ppbv	99
16) 1,3-Butadiene	3.95	39	335602	10.61	ppbv	100
17) tert-Butyl alcohol	5.10	59	552804	11.40	ppbv	100
18) 1,1-Dichloroethene	5.06	96	330598	10.95	ppbv	98
19) Isopropyl Alcohol	4.73	45	311079	11.22	ppbv	92
20) Methylene Chloride	5.12	84	304340	10.75	ppbv	97
21) Allyl Chloride	5.20	41	501401	10.83	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	430886	11.07	ppbv	99
23) Vinyl Acetate	5.96	43	1423759	10.89	ppbv	99
24) 1,1-Dichloroethane	5.89	63	902476	10.94	ppbv	100
25) Ethyl Acetate	6.64	43	1334932	10.04	ppbv	99
26) Hexane	6.63	57	662408	9.97	ppbv	99
27) Carbon Disulfide	5.36	76	922654	10.86	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	1309413	10.84	ppbv	100
29) Chloroform	6.72	83	1008372	10.46	ppbv	99
30) Cyclohexane	8.25	84	682854	10.27	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	662432	10.98	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1088776	10.18	ppbv	100
34) 2-Butanone	6.17	43	889695	10.41	ppbv	100
35) Carbon Tetrachloride	8.13	117	1131368	9.82	ppbv	97
36) Benzene	7.99	78	1546852	10.05	ppbv	99
37) 1,2-Dichloroethane	7.34	62	830286	10.49	ppbv	100
38) Trichloroethene	9.03	130	632408	8.47	ppbv	99
39) 1,2-Dichloropropane	8.79	63	544489	10.06	ppbv	97
40) 1,4-Dioxane	9.09	88	127869	12.56	ppbv	78
41) Tetrahydrofuran	7.09	42	507558	10.26	ppbv	99
42) Bromodichloromethane	8.99	83	1159907	10.19	ppbv	97
43) Methyl Methacrylate	9.23	69	584694	10.43	ppbv	99

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026235.D
 Acq On : 21 Oct 2015 12:08
 Operator : SY/MD
 Sample : VL1021ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:35:44 PM

Quant Time: Oct 22 09:15:17 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 22 09:15:17 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2372355	9.52	ppbv	100
45) t-1,3-Dichloropropene	10.62	75	950701	10.87	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	1067621	10.43	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	701480	10.31	ppbv	99
48) Dibromochloromethane	11.77	129	1153505	10.40	ppbv	100
49) Bromoform	14.78	173	959568	10.25	ppbv	99
50) 4-Methyl-2-Pentanone	10.06	43	1212169	10.51	ppbv	99
51) 2-Hexanone	11.58	43	1178771	10.94	ppbv #	99
52) Tetrachloroethene	12.76	164	723786	8.20	ppbv	100
53) Toluene	11.20	91	2096177	10.01	ppbv	100
54) 1,2-Dibromoethane	12.11	107	1090507	10.36	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	833024	9.15	ppbv	99
57) Chlorobenzene	13.78	112	1738745	9.57	ppbv	99
58) Ethyl Benzene	14.38	91	3007759	9.78	ppbv	99
59) m/p-Xylene	14.68	91	4585360	19.04	ppbv	100
60) o-Xylene	15.46	91	2352519	9.34	ppbv	99
61) Styrene	15.27	104	1188756	10.44	ppbv	99
62) Isopropylbenzene	16.51	105	3367024	9.61	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.45	83	1537072	9.23	ppbv	100
64) n-propylbenzene	17.49	120	945343	9.82	ppbv	93
65) tert-Butylbenzene	18.78	119	2950739	9.23	ppbv	99
66) Benzyl Chloride	19.07	91	1345023	10.19	ppbv	100
67) sec-Butylbenzene	19.37	105	4292954	9.63	ppbv	100
69) p-Isopropyltoluene	19.75	119	3564200	9.56	ppbv	100
70) n-Butylbenzene	20.72	91	3318424	9.74	ppbv	99
71) 2-Chlorotoluene	17.39	91	2548495	9.88	ppbv	100
72) 4-Ethyltoluene	17.79	105	2903238	9.91	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2677456	9.81	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2627790	9.28	ppbv	98
75) 1,3-Dichlorobenzene	19.08	146	1754681	9.48	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	1870132	9.68	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	1785800	9.57	ppbv	99
78) Hexachloro-1,3-Butadiene	24.64	225	771593	8.07	ppbv	100
79) Naphthalene	23.90	128	2404383	9.64	ppbv	100
80) Naphthalene, 2-methyl-	26.02	142	673668	15.04	ppbv	100
81) 1,2,4-Trichlorobenzene	23.70	180	1102078	9.18	ppbv	99

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

