

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026250.D
 Acq On : 21 Oct 2015 23:01
 Operator : SY/MD
 Sample : VL1021ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:36:12 PM

Quant Time: Oct 22 15:02:57 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 22 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	6.62	49	434737	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.30	114	1353558	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	1726416m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1288441	9.68	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	963005	10.69	ppbv	99
3) Chlorodifluoromethane	3.55	51	584709	10.62	ppbv	99
4) Chloromethane	3.73	50	322380	10.86	ppbv	100
5) Vinyl Chloride	3.87	62	342019	10.94	ppbv	98
6) Bromomethane	4.12	94	253689	11.30	ppbv	98
7) Chloroethane	4.21	64	148718	11.34	ppbv	100
8) Dichlorotetrafluoroethane	3.78	85	857509	11.07	ppbv	98
9) Propene	3.57	41	268131	10.41	ppbv	99
10) Heptane	9.32	43	928886	10.77	ppbv	99
11) Trichlorofluoromethane	4.67	101	1041308	11.78	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.28	101	664916	11.02	ppbv	98
13) Ethanol	4.31	45	21348	5.52	ppbv	100
14) Bromoethene	4.43	108	280474	11.02	ppbv	99
15) Acetone	4.57	43	618784	9.67	ppbv	98
16) 1,3-Butadiene	3.95	39	306500	10.74	ppbv	99
17) tert-Butyl alcohol	5.09	59	553469	12.65	ppbv	100
18) 1,1-Dichloroethene	5.06	96	299740	11.00	ppbv	99
19) Isopropyl Alcohol	4.72	45	276417	11.05	ppbv	88
20) Methylene Chloride	5.12	84	273759	10.72	ppbv	95
21) Allyl Chloride	5.20	41	450693	10.78	ppbv	97
22) trans-1,2-Dichloroethene	5.74	96	391072	11.13	ppbv	99
23) Vinyl Acetate	5.96	43	1239995	10.51	ppbv	99
24) 1,1-Dichloroethane	5.89	63	825655	11.10	ppbv	100
25) Ethyl Acetate	6.64	43	1264611	10.54	ppbv	99
26) Hexane	6.63	57	621478	10.37	ppbv	99
27) Carbon Disulfide	5.36	76	846514	11.04	ppbv	97
28) Methyl tert-Butyl Ether	5.92	73	1178138	10.81	ppbv	100
29) Chloroform	6.72	83	985277	11.32	ppbv	98
30) Cyclohexane	8.26	84	646209	10.78	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	606326	11.14	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1030312	10.68	ppbv	99
34) 2-Butanone	6.17	43	802397	10.49	ppbv	100
35) Carbon Tetrachloride	8.13	117	1080983	10.48	ppbv	97
36) Benzene	7.99	78	1436620	10.42	ppbv	100
37) 1,2-Dichloroethane	7.34	62	798842	11.27	ppbv	99
38) Trichloroethene	9.04	130	604576	9.04	ppbv	99
39) 1,2-Dichloropropane	8.80	63	515211	10.63	ppbv	98
40) 1,4-Dioxane	9.09	88	58371	6.41	ppbv #	1
41) Tetrahydrofuran	7.09	42	457177	10.32	ppbv	99
42) Bromodichloromethane	8.99	83	1109899	10.89	ppbv	100
43) Methyl Methacrylate	9.24	69	550347	10.97	ppbv	99

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026250.D
 Acq On : 21 Oct 2015 23:01
 Operator : SY/MD
 Sample : VL1021ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:36:12 PM

Quant Time: Oct 22 15:02:57 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 22 15:02:57 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	2231234	10.00	ppbv	99
45) t-1,3-Dichloropropene	10.62	75	862300	11.01	ppbv	100
46) cis-1,3-Dichloropropene	9.99	75	998093	10.89	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	659432	10.82	ppbv	100
48) Dibromochloromethane	11.77	129	1059481	10.67	ppbv	100
49) Bromoform	14.79	173	857073	10.22	ppbv	99
50) 4-Methyl-2-Pentanone	10.06	43	1137460	11.01	ppbv	100
51) 2-Hexanone	11.58	43	1083474	11.23	ppbv #	100
52) Tetrachloroethene	12.76	164	678852	8.59	ppbv	98
53) Toluene	11.21	91	1953083	10.42	ppbv	99
54) 1,2-Dibromoethane	12.11	107	1024942	10.87	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	764574	9.23	ppbv	97
57) Chlorobenzene	13.79	112	1621921	9.82	ppbv	98
58) Ethyl Benzene	14.38	91	2810037	10.04	ppbv	98
59) m/p-Xylene	14.69	91	4331646	19.78	ppbv	99
60) o-Xylene	15.46	91	2214200	9.67	ppbv	99
61) Styrene	15.28	104	1084018	10.46	ppbv	99
62) Isopropylbenzene	16.51	105	3138901	9.85	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.46	83	1438509	9.50	ppbv	100
64) n-propylbenzene	17.49	120	865465	9.88	ppbv	89
65) tert-Butylbenzene	18.78	119	2747964	9.45	ppbv	99
66) Benzyl Chloride	19.07	91	1088088	9.06	ppbv	99
67) sec-Butylbenzene	19.38	105	3979260	9.82	ppbv	99
69) p-Isopropyltoluene	19.75	119	3298564	9.73	ppbv	100
70) n-Butylbenzene	20.72	91	3146603	10.16	ppbv	99
71) 2-Chlorotoluene	17.40	91	2340279	9.98	ppbv	100
72) 4-Ethyltoluene	17.79	105	2696546	10.12	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2478056	9.98	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2447435	9.50	ppbv	96
75) 1,3-Dichlorobenzene	19.08	146	1621855	9.64	ppbv	99
76) 1,4-Dichlorobenzene	19.24	146	1703154	9.69	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	1646846	9.71	ppbv	99
78) Hexachloro-1,3-Butadiene	24.64	225	659984	7.58	ppbv	99
79) Naphthalene	23.90	128	2022523	8.91	ppbv	99
80) Naphthalene, 2-methyl-	26.01	142	384374	9.44	ppbv	97
81) 1,2,4-Trichlorobenzene	23.70	180	937480	8.58	ppbv	100

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

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
Data File : VL026250.D
Acq On : 21 Oct 2015 23:01
Operator : SY/MD
Sample : VL1021ABS02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:36:12 PM

Quant Time: Oct 22 15:02:57 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

