

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026665.D
 Acq On : 9 Jan 2016 7:40
 Operator : SY/AP
 Sample : H1002-21
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:22 AM

Quant Time: Jan 12 05:07:07 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 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	6.63	49	634181	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2037734	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.72	117	2806469	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2325779	10.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	91847	0.54	ppbv	99
3) Chlorodifluoromethane	3.56	51	41593	0.49	ppbv	99
4) Chloromethane	3.74	50	16542	0.40	ppbv	96
5) Vinyl Chloride	3.88	62	19040m	0.38	ppbv	
6) Bromomethane	4.13	94	16238	0.46	ppbv	85
7) Chloroethane	4.23	64	9314	0.46	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	66348	0.50	ppbv	99
9) Propene	3.59	41	9601m	0.32	ppbv	
10) Heptane	9.32	43	39068	0.35	ppbv	85
11) Trichlorofluoromethane	4.68	101	95033	0.54	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	53546	0.50	ppbv	98
13) Ethanol	4.34	45	2665m	0.46	ppbv	
14) Bromoethene	4.44	108	16222	0.42	ppbv #	90
15) Acetone	4.62	43	63321	0.61	ppbv #	63
16) 1,3-Butadiene	3.96	39	17386	0.42	ppbv	93
17) tert-Butyl alcohol	5.15	59	31739m	0.40	ppbv	
18) 1,1-Dichloroethene	5.07	96	19643	0.44	ppbv	93
19) Isopropyl Alcohol	4.78	45	16294	0.38	ppbv #	96
20) Methylene Chloride	5.14	84	23605	0.55	ppbv	94
21) Allyl Chloride	5.21	41	26249	0.41	ppbv #	76
22) trans-1,2-Dichloroethene	5.75	96	22360	0.44	ppbv #	78
23) Vinyl Acetate	5.97	43	55496	0.35	ppbv #	95
24) 1,1-Dichloroethane	5.89	63	47860	0.41	ppbv	98
25) Ethyl Acetate	6.67	43	46377	0.29	ppbv #	87
26) Hexane	6.64	57	30029	0.36	ppbv	95
27) Carbon Disulfide	5.37	76	55103	0.45	ppbv #	79
28) Methyl tert-Butyl Ether	5.96	73	59518	0.36	ppbv	100
29) Chloroform	6.72	83	74924	0.50	ppbv	93
30) Cyclohexane	8.27	84	33849m	0.41	ppbv	
31) cis-1,2-Dichloroethene	6.50	61	29592	0.35	ppbv	96
32) 1,1,1-Trichloroethane	7.57	97	76292	0.45	ppbv	97
34) 2-Butanone	6.20	43	39604m	0.36	ppbv	
35) Carbon Tetrachloride	8.13	117	73956	0.41	ppbv	99
36) Benzene	8.00	78	65424	0.31	ppbv	94
37) 1,2-Dichloroethane	7.35	62	62816	0.44	ppbv	98
38) Trichloroethene	9.05	130	35650	0.38	ppbv	91
39) 1,2-Dichloropropane	8.80	63	27539	0.38	ppbv #	90
40) 1,4-Dioxane	9.16	88	4374m	0.26	ppbv	
41) Tetrahydrofuran	7.15	42	15011m	0.28	ppbv	
42) Bromodichloromethane	9.00	83	77208	0.42	ppbv	97
43) Methyl Methacrylate	9.24	69	21248	0.28	ppbv	92

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026665.D
 Acq On : 9 Jan 2016 7:40
 Operator : SY/AP
 Sample : H1002-21
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:22 AM

Quant Time: Jan 12 05:07:07 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 18
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	9.06	57	110854	0.33	ppbv	94
45) t-1,3-Dichloropropene	10.63	75	32699	0.26	ppbv	94
46) cis-1,3-Dichloropropene	9.99	75	41647	0.30	ppbv	89
47) 1,1,2-Trichloroethane	10.85	97	42892	0.42	ppbv	95
48) Dibromochloromethane	11.77	129	64885	0.42	ppbv	98
49) Bromoform	14.78	173	51229m	0.40	ppbv	
50) 4-Methyl-2-Pentanone	10.09	43	43138m	0.28	ppbv	
51) 2-Hexanone	11.62	43	31527	0.22	ppbv #	95
52) Tetrachloroethene	12.76	164	41601	0.40	ppbv	96
53) Toluene	11.21	91	88307	0.30	ppbv	99
54) 1,2-Dibromoethane	12.12	107	68388	0.42	ppbv	95
56) 1,1,1,2-Tetrachloroethane	13.76	131	57986	0.45	ppbv #	1
57) Chlorobenzene	13.79	112	135975	0.47	ppbv	90
58) Ethyl Benzene	14.39	91	157754	0.31	ppbv	96
59) m/p-Xylene	14.70	91	308291m	0.75	ppbv	
60) o-Xylene	15.46	91	192004	0.43	ppbv	98
61) Styrene	15.29	104	51123m	0.29	ppbv	
62) Isopropylbenzene	16.52	105	231130	0.39	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.46	83	148773	0.45	ppbv	99
64) n-propylbenzene	17.49	120	61012	0.38	ppbv	86
65) tert-Butylbenzene	18.78	119	227628	0.42	ppbv	96
66) Benzyl Chloride	19.08	91	65462m	0.34	ppbv	
67) sec-Butylbenzene	19.38	105	329132	0.41	ppbv	99
69) p-Isopropyltoluene	19.76	119	225219	0.37	ppbv	99
70) n-Butylbenzene	20.74	91	221909	0.35	ppbv	97
71) 2-Chlorotoluene	17.40	91	152372	0.33	ppbv	97
72) 4-Ethyltoluene	17.80	105	172012	0.34	ppbv	98
73) 1,3,5-Trimethylbenzene	17.96	105	175358	0.37	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	222754	0.44	ppbv	96
75) 1,3-Dichlorobenzene	19.10	146	144661	0.47	ppbv	98
76) 1,4-Dichlorobenzene	19.24	146	139532	0.44	ppbv	98
77) 1,2-Dichlorobenzene	20.00	146	142545	0.45	ppbv	96
78) Hexachloro-1,3-Butadiene	24.65	225	52716	0.41	ppbv	98
79) Naphthalene	23.92	128	86558	0.26	ppbv	96
80) Naphthalene, 2-methyl-	26.04	142	14722	0.28	ppbv #	85
81) 1,2,4-Trichlorobenzene	23.71	180	48190m	0.31	ppbv	

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

