

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035772.D
 Acq On : 12 Oct 2020 21:47
 Operator : SY/AP
 Sample : L4214-14 L00 0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:11:56 PM

Quant Time: Oct 13 01:51:56 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2

QLast Update : Wed Sep 23 07:38:05 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1039523	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4418950	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4317341	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3157361	9.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	129639	0.760	ppbv	95
3) Chlorodifluoromethane	2.98	51	63156	0.565	ppbv	100
4) Chloromethane	3.13	50	34484	0.574	ppbv	93
5) Vinyl Chloride	3.25	62	39623	0.558	ppbv	99
6) Bromomethane	3.47	94	34977	0.582	ppbv	97
7) Chloroethane	3.55	64	14439	0.554	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	128163	0.619	ppbv	97
9) Propene	3.00	41	23975	0.590	ppbv	99
10) Heptane	8.12	43	57621	0.509	ppbv	98
11) Trichlorofluoromethane	3.94	101	141376	0.581	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	104053	0.574	ppbv	98
13) Ethanol	3.60	45	6457	0.645	ppbv	99
14) Bromoethene	3.73	108	44522	0.583	ppbv	99
15) Acetone	3.85	43	76306	0.682	ppbv #	85
16) 1,3-Butadiene	3.32	39	22028	0.538	ppbv	96
17) tert-Butyl alcohol	4.30	59	82866	0.680	ppbv	100
18) 1,1-Dichloroethene	4.29	96	46720	0.588	ppbv	94
19) Isopropyl Alcohol	3.97	45	40668	0.668	ppbv #	95
20) Methylene Chloride	4.34	84	54175	0.659	ppbv	98
21) Allyl Chloride	4.41	41	30434	0.561	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	47139	0.562	ppbv	93
23) Vinyl Acetate	5.07	43	78525	0.573	ppbv	99
24) 1,1-Dichloroethane	5.01	63	86068	0.577	ppbv	99
25) Ethyl Acetate	5.68	43	114831	0.571	ppbv	99
26) Hexane	5.69	57	62251	0.564	ppbv	96
27) Carbon Disulfide	4.55	76	81713	0.497	ppbv #	96
28) Methyl tert-Butyl Ether	5.04	73	111819	0.640	ppbv	100
29) Chloroform	5.75	83	130822	0.584	ppbv	99
30) Cyclohexane	7.13	84	55312	0.508	ppbv	88
31) cis-1,2-Dichloroethene	5.55	61	59594	0.560	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	116986	0.593	ppbv	97
34) 2-Butanone	5.25	43	73173	0.501	ppbv	96
35) Carbon Tetrachloride	7.02	117	110967	0.482	ppbv	97
36) Benzene	6.89	78	153709	0.534	ppbv	96
37) 1,2-Dichloroethane	6.30	62	75784	0.505	ppbv	99
38) Trichloroethene	7.83	130	76026	0.529	ppbv	95
39) 1,2-Dichloropropane	7.61	63	52868m	0.507	ppbv	
40) 1,4-Dioxane	7.88	88	30157m	0.632	ppbv	
41) Tetrahydrofuran	6.07	42	32158	0.437	ppbv	99
42) Bromodichloromethane	7.79	83	112614	0.466	ppbv #	96
43) Methyl Methacrylate	8.02	69	52162	0.455	ppbv	97

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 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	204196	0.494	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	47036m	0.407	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	60180	0.422	ppbv	92
47) 1,1,2-Trichloroethane	9.48	97	77514m	0.519	ppbv	
48) Dibromochloromethane	10.31	129	97782	0.430	ppbv	100
49) Bromoform	13.05	173	77187	0.400	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	93795	0.439	ppbv	99
51) 2-Hexanone	10.16	43	70633	0.411	ppbv #	98
52) Tetrachloroethene	11.23	164	79226	0.572	ppbv	97
53) Toluene	9.81	91	170322	0.502	ppbv	97
54) 1,2-Dibromoethane	10.61	107	115762	0.517	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.14	131	91919	0.508	ppbv #	1
57) Chlorobenzene	12.16	112	191178	0.586	ppbv #	91
58) Ethyl Benzene	12.73	91	222948	0.515	ppbv	93
59) m/p-Xylene	13.01	91	423830m	1.120	ppbv	
60) o-Xylene	13.71	91	203660	0.532	ppbv	99
61) Styrene	13.54	104	119347	0.451	ppbv	96
62) Isopropylbenzene	14.68	105	335416	0.565	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.69	83	164194	0.523	ppbv	98
64) n-propylbenzene	15.58	120	93308	0.537	ppbv	74
65) tert-Butylbenzene	16.76	119	296998	0.550	ppbv	96
66) Benzyl Chloride	17.00	91	66144	0.404	ppbv	94
67) sec-Butylbenzene	17.31	105	417487	0.560	ppbv	95
69) p-Isopropyltoluene	17.67	119	334515	0.552	ppbv	93
70) n-Butylbenzene	18.57	91	334277	0.535	ppbv	92
71) 2-Chlorotoluene	15.47	91	230601	0.532	ppbv	98
72) 4-Ethyltoluene	15.86	105	237115	0.523	ppbv	96
73) 1,3,5-Trimethylbenzene	16.02	105	225485	0.526	ppbv	92
74) 1,2,4-Trimethylbenzene	16.78	105	271740	0.563	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	203021	0.616	ppbv	97
76) 1,4-Dichlorobenzene	17.16	146	187001	0.593	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	188268	0.604	ppbv	97
78) Hexachloro-1,3-Butadiene	23.40	225	84935	0.494	ppbv	99
79) Naphthalene	22.23	128	238245	0.517	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	23222	0.214	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	136051	0.570	ppbv	97

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

