

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037059.D
 Acq On : 25 May 2021 14:00
 Operator : SY/AP
 Sample : M2262-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:31 AM

Quant Time: May 26 11:40:30 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021

QLast Update : Tue May 18 12:00:15 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1103221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3371769	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3057060	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2208302	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	106516	0.569	ppbv	97
3) Chlorodifluoromethane	2.97	51	104370	0.516	ppbv	95
4) Chloromethane	3.12	50	36611	0.532	ppbv	100
5) Vinyl Chloride	3.24	62	30128	0.401	ppbv	95
6) Bromomethane	3.45	94	19075	0.482	ppbv	97
7) Chloroethane	3.54	64	12896m	0.528	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	89680	0.510	ppbv	92
9) Propene	2.99	41	33853	0.468	ppbv	93
10) Heptane	8.10	43	73576	0.408	ppbv	97
11) Trichlorofluoromethane	3.93	101	87529	0.505	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.46	101	64734	0.525	ppbv	94
13) Ethanol	3.60	45	4232m	0.438	ppbv	
14) Bromoethene	3.73	108	24127m	0.444	ppbv	
15) Acetone	3.86	43	60080	0.532	ppbv #	65
16) 1,3-Butadiene	3.31	39	33185m	0.473	ppbv	
17) tert-Butyl alcohol	4.31	59	48335m	0.467	ppbv	
18) 1,1-Dichloroethene	4.27	96	26960m	0.472	ppbv	
19) Isopropyl Alcohol	3.98	45	31379m	0.517	ppbv	
20) Methylene Chloride	4.33	84	41104	0.679	ppbv	94
21) Allyl Chloride	4.39	41	37470	0.440	ppbv	94
22) trans-1,2-Dichloroethene	4.86	96	25808m	0.472	ppbv	
23) Vinyl Acetate	5.07	43	53413	0.298	ppbv #	87
24) 1,1-Dichloroethane	4.99	63	54162	0.420	ppbv #	97
25) Ethyl Acetate	5.67	43	105478	0.388	ppbv #	93
26) Hexane	5.67	57	64779	0.467	ppbv #	90
27) Carbon Disulfide	4.54	76	44187	0.316	ppbv #	90
28) Methyl tert-Butyl Ether	5.03	73	51602	0.310	ppbv #	86
29) Chloroform	5.73	83	100266m	0.512	ppbv	
30) Cyclohexane	7.10	84	55045m	0.467	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	55189	0.444	ppbv	91
32) 1,1,1-Trichloroethane	6.49	97	83033	0.395	ppbv #	87
34) 2-Butanone	5.25	43	58549m	0.477	ppbv	
35) Carbon Tetrachloride	7.00	117	87866m	0.392	ppbv	
36) Benzene	6.87	78	114810	0.395	ppbv #	89
37) 1,2-Dichloroethane	6.29	62	65863	0.457	ppbv	98
38) Trichloroethene	7.82	130	53864	0.434	ppbv	93
39) 1,2-Dichloropropane	7.59	63	47629m	0.426	ppbv	
40) 1,4-Dioxane	7.85	88	15994m	0.605	ppbv	
41) Tetrahydrofuran	6.07	42	26654m	0.381	ppbv	
42) Bromodichloromethane	7.77	83	82956	0.381	ppbv #	98
43) Methyl Methacrylate	8.00	69	34590m	0.346	ppbv	

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 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	200194	0.402	ppbv	93
45) t-1,3-Dichloropropene	9.26	75	19973m	0.261	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	30628m	0.298	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	51839m	0.443	ppbv	
48) Dibromochloromethane	10.28	129	55117	0.291	ppbv	87
49) Bromoform	13.02	173	38913m	0.249	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	62881	0.310	ppbv #	88
51) 2-Hexanone	10.14	43	30570m	0.285	ppbv	
52) Tetrachloroethene	11.20	164	52554m	0.455	ppbv	
53) Toluene	9.78	91	129425	0.375	ppbv	98
54) 1,2-Dibromoethane	10.59	107	70998m	0.426	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	53345	0.415	ppbv #	1
57) Chlorobenzene	12.12	112	119760m	0.505	ppbv	
58) Ethyl Benzene	12.69	91	181232m	0.420	ppbv	
59) m/p-Xylene	12.98	91	298920m	0.838	ppbv	
60) o-Xylene	13.67	91	153861m	0.452	ppbv	
61) Styrene	13.51	104	61370	0.320	ppbv #	86
62) Isopropylbenzene	14.64	105	204811	0.419	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	105422m	0.415	ppbv	
64) n-propylbenzene	15.54	120	46319	0.367	ppbv #	55
65) tert-Butylbenzene	16.73	119	196044	0.444	ppbv	97
66) Benzyl Chloride	16.98	91	7176m	0.293	ppbv	
67) sec-Butylbenzene	17.28	105	246468	0.410	ppbv	98
69) p-Isopropyltoluene	17.64	119	207079m	0.400	ppbv	
70) n-Butylbenzene	18.54	91	184046m	0.374	ppbv	
71) 2-Chlorotoluene	15.43	91	148525m	0.421	ppbv	
72) 4-Ethyltoluene	15.82	105	153854	0.381	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.98	105	139137	0.367	ppbv	93
74) 1,2,4-Trimethylbenzene	16.74	105	168982m	0.431	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	105095m	0.439	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	99464m	0.411	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	97524m	0.407	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	85138m	0.441	ppbv	
79) Naphthalene	22.18	128	69784m	0.227	ppbv	
80) Naphthalene,2-methyl-	25.10	142	8853m	0.132	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	52776m	0.281	ppbv	

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

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