

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036917.D
 Acq On : 7 May 2021 13:39
 Operator : SY/AP
 Sample : M2262-15 0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:32 PM

Quant Time: May 08 19:07:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1240779	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2955983	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2570066	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2011978	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	34223	0.175 ppbv	99
3) Chlorodifluoromethane	2.99	51	35194	0.156 ppbv	94
4) Chloromethane	3.15	50	9774	0.132 ppbv #	66
5) Vinyl Chloride	3.26	62	9197m	0.123 ppbv	
6) Bromomethane	3.48	94	5966m	0.148 ppbv	
7) Chloroethane	3.57	64	4010m	0.163 ppbv	
8) Dichlorotetrafluoroethane	3.19	85	27475	0.154 ppbv	93
9) Propene	3.02	41	10747m	0.156 ppbv	
10) Heptane	8.14	43	12326m	0.071 ppbv	
11) Trichlorofluoromethane	3.96	101	25847m	0.148 ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.50	101	16880m	0.145 ppbv	
14) Bromoethene	3.75	108	4902	0.103 ppbv #	56
15) Acetone	3.90	43	33172m	0.284 ppbv	
16) 1,3-Butadiene	3.34	39	11164m	0.149 ppbv	
17) tert-Butyl alcohol	4.37	59	13206m	0.139 ppbv	
18) 1,1-Dichloroethene	4.30	96	7848m	0.155 ppbv	
19) Isopropyl Alcohol	4.02	45	7936m	0.137 ppbv	
20) Methylene Chloride	4.35	84	15565m	0.278 ppbv	
21) Allvl Chloride	4.42	41	12910m	0.149 ppbv	
22) trans-1,2-Dichloroethene	4.89	96	7669m	0.151 ppbv	
23) Vinyl Acetate	5.11	43	18256m	0.115 ppbv	
24) 1,1-Dichloroethane	5.02	63	18592m	0.165 ppbv	
25) Ethyl Acetate	5.72	43	28366m	0.099 ppbv	
26) Hexane	5.70	57	14482m	0.108 ppbv	
27) Carbon Disulfide	4.56	76	12234m	0.105 ppbv	
28) Methyl tert-Butyl Ether	5.08	73	14481m	0.122 ppbv	
29) Chloroform	5.76	83	28681m	0.138 ppbv	
30) Cyclohexane	7.17	84	10861m	0.102 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	11020m	0.092 ppbv	
32) 1,1,1-Trichloroethane	6.52	97	29147m	0.138 ppbv	
34) 2-Butanone	5.21	43	16317m	0.126 ppbv	
35) Carbon Tetrachloride	7.02	117	27419m	0.137 ppbv	
36) Benzene	6.90	78	21418m	0.086 ppbv	
37) 1,2-Dichloroethane	6.32	62	16181m	0.115 ppbv	
38) Trichloroethene	7.84	130	10259m	0.116 ppbv	
39) 1,2-Dichloropropane	7.62	63	12602m	0.126 ppbv	
40) 1,4-Dioxane	7.84	88	738m	0.031 ppbv	
42) Bromodichloromethane	7.80	83	21035	0.107 ppbv #	83
43) Methyl Methacrylate	8.04	69	4978m	0.061 ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	28669m	0.067 ppbv	
45) t-1,3-Dichloropropene	9.29	75	6861m	0.078 ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.72	75	8743m	0.078	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	14208m	0.138	ppbv	
48) Dibromochloromethane	10.31	129	15526m	0.101	ppbv	
49) Bromoform	13.05	173	12598m	0.103	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	10355m	0.059	ppbv	
51) 2-Hexanone	10.20	43	4535m	0.051	ppbv	
52) Tetrachloroethene	11.23	164	8449m	0.100	ppbv	
53) Toluene	9.82	91	16414m	0.063	ppbv	
54) 1,2-Dibromoethane	10.62	107	14987m	0.103	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	17123m	0.159	ppbv	
57) Chlorobenzene	12.16	112	28080m	0.140	ppbv	
58) Ethyl Benzene	12.73	91	20875m	0.064	ppbv	
59) m/p-Xylene	12.98	91	34329m	0.118	ppbv	
60) o-Xylene	13.71	91	17678m	0.063	ppbv	
61) Styrene	13.54	104	7678m	0.058	ppbv	
62) Isopropylbenzene	14.68	105	31106m	0.081	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	28570m	0.127	ppbv	
64) n-propylbenzene	15.57	120	4297m	0.045	ppbv	
65) tert-Butylbenzene	16.76	119	19546m	0.058	ppbv	
67) sec-Butylbenzene	17.30	105	29251m	0.062	ppbv	
69) p-Isopropyltoluene	17.65	119	19078m	0.051	ppbv	
70) n-Butylbenzene	18.56	91	19575m	0.051	ppbv	
71) 2-Chlorotoluene	15.46	91	20361m	0.072	ppbv	
72) 4-Ethyltoluene	15.85	105	16779m	0.055	ppbv	
73) 1,3,5-Trimethylbenzene	16.01	105	16637m	0.057	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	17574m	0.056	ppbv	
75) 1,3-Dichlorobenzene	17.02	146	18390m	0.100	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	16898m	0.094	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	16151m	0.090	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	22910m	0.150	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	5885m	0.052	ppbv	

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

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