

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036991.D
 Acq On : 19 May 2021 14:14
 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
 5/24/2021 3:01:22 PM

Quant Time: May 21 16:55:15 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
 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	1232882	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3671358	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3251670	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2563901	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	27975	0.134	ppbv	99
3) Chlorodifluoromethane	2.97	51	26649	0.118	ppbv	100
4) Chloromethane	3.13	50	8558m	0.111	ppbv	
5) Vinyl Chloride	3.24	62	6789	0.081	ppbv #	81
6) Bromomethane	3.46	94	4942	0.112	ppbv #	66
7) Chloroethane	3.54	64	2987m	0.109	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	21308	0.109	ppbv	87
9) Propene	3.00	41	11590m	0.143	ppbv	
10) Heptane	8.10	43	20525m	0.102	ppbv	
11) Trichlorofluoromethane	3.93	101	21686	0.112	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	15081m	0.109	ppbv	
14) Bromoethene	3.73	108	6743m	0.111	ppbv	
15) Acetone	3.87	43	28241m	0.224	ppbv	
16) 1,3-Butadiene	3.32	39	6945m	0.089	ppbv	
17) tert-Butyl alcohol	4.33	59	11303m	0.098	ppbv	
18) 1,1-Dichloroethene	4.28	96	7052m	0.111	ppbv	
19) Isopropyl Alcohol	4.01	45	8624m	0.127	ppbv	
20) Methylene Chloride	4.33	84	14557m	0.215	ppbv	
21) Allvl Chloride	4.39	41	12272m	0.129	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	6085m	0.100	ppbv	
24) 1,1-Dichloroethane	4.99	63	14576	0.101	ppbv #	96
26) Hexane	5.67	57	15304	0.099	ppbv #	73
27) Carbon Disulfide	4.53	76	12320m	0.079	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	20950m	0.113	ppbv	
29) Chloroform	5.73	83	26727m	0.122	ppbv	
30) Cyclohexane	7.11	84	13931m	0.106	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	13130	0.094	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	21924m	0.093	ppbv	
34) 2-Butanone	5.25	43	18520m	0.139	ppbv	
35) Carbon Tetrachloride	6.99	117	20678m	0.085	ppbv	
36) Benzene	6.87	78	32307	0.102	ppbv	97
37) 1,2-Dichloroethane	6.29	62	17474m	0.111	ppbv	
38) Trichloroethene	7.81	130	14041m	0.104	ppbv	
39) 1,2-Dichloropropane	7.59	63	13165m	0.108	ppbv	
42) Bromodichloromethane	7.76	83	19966m	0.084	ppbv	
43) Methyl Methacrylate	8.01	69	8691m	0.080	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	57303m	0.106	ppbv	
45) t-1,3-Dichloropropene	9.26	75	4064m	0.049	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	7507m	0.067	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	14334m	0.112	ppbv	
48) Dibromochloromethane	10.28	129	13963m	0.068	ppbv	

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49) Bromoform	13.01	173	8934m	0.052	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	26337m	0.119	ppbv	
51) 2-Hexanone	10.17	43	11007m	0.094	ppbv	
52) Tetrachloroethene	11.20	164	15246m	0.121	ppbv	
53) Toluene	9.78	91	38370m	0.102	ppbv	
54) 1,2-Dibromoethane	10.59	107	16830m	0.093	ppbv	
57) Chlorobenzene	12.13	112	29840m	0.118	ppbv	
58) Ethyl Benzene	12.68	91	46641m	0.102	ppbv	
59) m/p-Xylene	12.97	91	80420m	0.212	ppbv	
60) o-Xylene	13.66	91	40707m	0.113	ppbv	
61) Styrene	13.50	104	16471m	0.081	ppbv	
62) Isopropylbenzene	14.65	105	53529m	0.103	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	27731m	0.103	ppbv	
64) n-propylbenzene	15.54	120	14194m	0.106	ppbv	
65) tert-Butylbenzene	16.73	119	51573m	0.110	ppbv	
67) sec-Butylbenzene	17.28	105	64727m	0.101	ppbv	
69) p-Isopropyltoluene	17.64	119	53092m	0.096	ppbv	
70) n-Butylbenzene	18.54	91	47006m	0.090	ppbv	
71) 2-Chlorotoluene	15.42	91	38370m	0.102	ppbv	
72) 4-Ethyltoluene	15.82	105	41833m	0.097	ppbv	
73) 1,3,5-Trimethylbenzene	15.97	105	44086m	0.109	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	44623m	0.107	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	29046m	0.114	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	30254m	0.118	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	28114m	0.110	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	28234m	0.138	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	16430m	0.082	ppbv	

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

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