

Data File : VL037051.D
Acq On : 24 May 2021 16:47
Operator : SY/AP
Sample : M2262-13 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:35 PM

Quant Time: May 25 16:23:20 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	5.64	49	1155631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3473397	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3091838	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2226508	9.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	33770m	0.172	ppbv	
3) Chlorodifluoromethane	2.97	51	28570	0.135	ppbv	94
4) Chloromethane	3.12	50	6335	0.088	ppbv #	78
5) Vinyl Chloride	3.24	62	7984m	0.101	ppbv	
6) Bromomethane	3.46	94	6302m	0.152	ppbv	
7) Chloroethane	3.54	64	2738	0.107	ppbv	89
8) Dichlorotetrafluoroethane	3.17	85	22159	0.120	ppbv	86
9) Propene	2.99	41	8281	0.109	ppbv #	16
10) Heptane	8.10	43	17109m	0.091	ppbv	
11) Trichlorofluoromethane	3.93	101	25031m	0.138	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	18060m	0.140	ppbv	
14) Bromoethene	3.72	108	7245m	0.127	ppbv	
15) Acetone	3.87	43	27694m	0.234	ppbv	
16) 1,3-Butadiene	3.31	39	8562m	0.116	ppbv	
17) tert-Butyl alcohol	4.34	59	11790m	0.109	ppbv	
18) 1,1-Dichloroethene	4.27	96	7535m	0.126	ppbv	
20) Methylene Chloride	4.33	84	32641m	0.514	ppbv	
21) Allyl Chloride	4.39	41	12003m	0.134	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	8433m	0.147	ppbv	
23) Vinyl Acetate	5.08	43	22958m	0.122	ppbv	
24) 1,1-Dichloroethane	4.99	63	15848m	0.117	ppbv	
25) Ethyl Acetate	5.67	43	29978	0.105	ppbv #	88
26) Hexane	5.66	57	26911m	0.185	ppbv	
27) Carbon Disulfide	4.53	76	9676m	0.066	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	17395m	0.100	ppbv	
29) Chloroform	5.73	83	26716m	0.130	ppbv	
30) Cyclohexane	7.11	84	15249m	0.123	ppbv	
31) cis-1,2-Dichloroethene	5.52	61	16791m	0.129	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	23009m	0.104	ppbv	
34) 2-Butanone	5.25	43	20672m	0.163	ppbv	
35) Carbon Tetrachloride	6.99	117	20527m	0.089	ppbv	
36) Benzene	6.87	78	29660	0.099	ppbv #	91
37) 1,2-Dichloroethane	6.28	62	16491m	0.111	ppbv	
38) Trichloroethene	7.82	130	14669m	0.115	ppbv	
39) 1,2-Dichloropropane	7.59	63	15084m	0.131	ppbv	
41) Tetrahydrofuran	6.09	42	7074m	0.098	ppbv	
42) Bromodichloromethane	7.77	83	19101m	0.085	ppbv	
43) Methyl Methacrylate	8.01	69	8637m	0.084	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	52905m	0.103	ppbv	
45) t-1,3-Dichloropropene	9.26	75	3896m	0.049	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	7347m	0.069	ppbv	

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Quant Time: May 25 16:23:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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)
47) 1,1,2-Trichloroethane	9.46	97	13238m	0.110	ppbv	
48) Dibromochloromethane	10.28	129	12092m	0.062	ppbv	
49) Bromoform	13.01	173	7996m	0.050	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	22351m	0.107	ppbv	
51) 2-Hexanone	10.18	43	8004m	0.073	ppbv	
52) Tetrachloroethene	11.20	164	13646m	0.115	ppbv	
53) Toluene	9.78	91	31324m	0.088	ppbv	
54) 1,2-Dibromoethane	10.58	107	17252m	0.101	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	13038m	0.100	ppbv	
57) Chlorobenzene	12.12	112	29235	0.122	ppbv	# 94
58) Ethyl Benzene	12.68	91	41229m	0.094	ppbv	
59) m/p-Xylene	12.97	91	70250m	0.195	ppbv	
60) o-Xylene	13.66	91	38307m	0.111	ppbv	
61) Styrene	13.50	104	15962m	0.082	ppbv	
62) Isopropylbenzene	14.64	105	52400m	0.106	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	26517m	0.103	ppbv	
64) n-propylbenzene	15.55	120	11245m	0.088	ppbv	
65) tert-Butylbenzene	16.72	119	46697m	0.105	ppbv	
66) Benzyl Chloride	16.98	91	2103m	0.085	ppbv	
67) sec-Butylbenzene	17.27	105	62884m	0.103	ppbv	
69) p-Isopropyltoluene	17.64	119	46304m	0.088	ppbv	
70) n-Butylbenzene	18.54	91	38726m	0.078	ppbv	
71) 2-Chlorotoluene	15.43	91	38383m	0.107	ppbv	
72) 4-Ethyltoluene	15.82	105	36304m	0.089	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	37033m	0.097	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	37484m	0.095	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	26833m	0.111	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	27873m	0.114	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	24961m	0.103	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	22559m	0.116	ppbv	
79) Naphthalene	22.19	128	12527m	0.040	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	10114m	0.053	ppbv	

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

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