Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051821\
Data File : VL036966.D
Acq On : 18 May 2021 13:14
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
5/20/2021 5:55:11 PM

Quant Time: May 20 16:46:22 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May 1
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	1259797	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.15	114	3657578	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.06	117	3382120	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2573893	10.13	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	31440	0.147	ppbv		98
3) Chlorodifluoromethane	2.97	51	28742	0.125	ppbv		97
4) Chloromethane	3.12	50	9701	0.124	ppbv	#	77
5) Vinyl Chloride	3.24	62	9728m	0.113	ppbv		
6) Bromomethane	3.46	94	5668m	0.125	ppbv		
7) Chloroethane	3.54	64	3713m	0.133	ppbv		
8) Dichlorotetrafluoroethane	3.17	85	25393	0.127	ppbv		99
9) Propene	3.00	41	13768	0.167	ppbv		91
10) Heptane	8.10	43	24351m	0.118	ppbv		
11) Trichlorofluoromethane	3.93	101	25542m	0.129	ppbv		
12) 1,1,2-Trichlorotrifluoroet	4.46	101	16385	0.116	ppbv		88
14) Bromoethene	3.73	108	7191m	0.116	ppbv		
15) Acetone	3.86	43	36017m	0.279	ppbv		
16) 1,3-Butadiene	3.31	39	7936m	0.099	ppbv		
17) tert-Butyl alcohol	4.35	59	12809m	0.108	ppbv		
18) 1,1-Dichloroethene	4.28	96	8610m	0.132	ppbv		
20) Methylene Chloride	4.33	84	12552	0.181	ppbv		92
21) Allyl Chloride	4.39	41	12060m	0.124	ppbv		
22) trans-1,2-Dichloroethene	4.87	96	8117m	0.130	ppbv		
24) 1,1-Dichloroethane	4.99	63	16561m	0.112	ppbv		
25) Ethyl Acetate	5.67	43	38938m	0.126	ppbv		
26) Hexane	5.65	57	21850m	0.138	ppbv		
27) Carbon Disulfide	4.53	76	14018m	0.088	ppbv		
28) Methyl tert-Butyl Ether	5.04	73	19652	0.104	ppbv		100
29) Chloroform	5.73	83	25770	0.115	ppbv		90
30) Cyclohexane	7.10	84	16414m	0.122	ppbv		
31) cis-1,2-Dichloroethene	5.53	61	16757m	0.118	ppbv		
32) 1,1,1-Trichloroethane	6.49	97	25825m	0.107	ppbv		
34) 2-Butanone	5.17	43	34717m	0.261	ppbv		
35) Carbon Tetrachloride	6.99	117	23109m	0.095	ppbv		
36) Benzene	6.87	78	36106m	0.115	ppbv		
37) 1,2-Dichloroethane	6.29	62	16753m	0.107	ppbv		
38) Trichloroethene	7.81	130	16028m	0.119	ppbv		
39) 1,2-Dichloropropane	7.59	63	11814	0.097	ppbv	#	77
41) Tetrahydrofuran	6.08	42	8823m	0.116	ppbv		
42) Bromodichloromethane	7.77	83	22339m	0.095	ppbv		
43) Methyl Methacrylate	8.00	69	11099m	0.102	ppbv		
44) 2,2,4-Trimethylpentane	7.84	57	61706	0.114	ppbv		95
45) t-1,3-Dichloropropene	9.26	75	5418m	0.065	ppbv		
46) cis-1,3-Dichloropropene	8.68	75	9523m	0.085	ppbv		
47) 1,1,2-Trichloroethane	9.45	97	15253m	0.120	ppbv		

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Quant Time: May 20 16:46:22 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) Dibromochloromethane	10.28	129	16459m	0.080	ppbv		
49) Bromoform	13.01	173	11230m	0.066	ppbv		
50) 4-Methyl-2-Pentanone	8.76	43	28931m	0.132	ppbv		
51) 2-Hexanone	10.16	43	11853m	0.102	ppbv		
52) Tetrachloroethene	11.20	164	15465m	0.123	ppbv		
53) Toluene	9.78	91	42326m	0.113	ppbv		
54) 1,2-Dibromoethane	10.58	107	19058m	0.106	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.10	131	13291m	0.093	ppbv		
57) Chlorobenzene	12.12	112	30339	0.116	ppbv	#	87
58) Ethyl Benzene	12.69	91	56686m	0.119	ppbv		
59) m/p-Xylene	12.97	91	93138m	0.236	ppbv		
60) o-Xylene	13.66	91	45730	0.122	ppbv		98
61) Styrene	13.50	104	20639m	0.097	ppbv		
62) Isopropylbenzene	14.65	105	64995m	0.120	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.66	83	30404m	0.108	ppbv		
64) n-propylbenzene	15.54	120	16882m	0.121	ppbv		
65) tert-Butylbenzene	16.72	119	58015m	0.119	ppbv		
67) sec-Butylbenzene	17.28	105	80306m	0.121	ppbv		
69) p-Isopropyltoluene	17.63	119	64861m	0.113	ppbv		
70) n-Butylbenzene	18.54	91	55913m	0.103	ppbv		
71) 2-Chlorotoluene	15.43	91	40515	0.104	ppbv		93
72) 4-Ethyltoluene	15.81	105	47661m	0.107	ppbv		
73) 1,3,5-Trimethylbenzene	15.98	105	43959	0.105	ppbv		88
74) 1,2,4-Trimethylbenzene	16.74	105	53430m	0.123	ppbv		
75) 1,3-Dichlorobenzene	16.98	146	33422m	0.126	ppbv		
76) 1,4-Dichlorobenzene	17.11	146	32455m	0.121	ppbv		
77) 1,2-Dichlorobenzene	17.79	146	29567m	0.111	ppbv		
78) Hexachloro-1,3-Butadiene	23.36	225	29399m	0.138	ppbv		
79) Naphthalene	22.18	128	24349m	0.072	ppbv		
81) 1,2,4-Trichlorobenzene	21.92	180	18475m	0.089	ppbv		

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

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