Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051821\
Data File : VL036962.D
Acq On : 18 May 2021 10:47
Operator : SY/AP
Sample : M2262-14 0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Manual Integrations APPROVED
MMDadoda
5/20/2021 5:54:50 PM

Quant Time: May 19 13:02:19 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	1260223	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.15	114	3665804	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.06	117	3512073	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2624865	9.95	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	140745	0.658	ppbv		98
3) Chlorodifluoromethane	2.97	51	133029	0.576	ppbv		97
4) Chloromethane	3.12	50	42914	0.546	ppbv		95
5) Vinyl Chloride	3.24	62	43245	0.504	ppbv		100
6) Bromomethane	3.46	94	25301m	0.559	ppbv		
7) Chloroethane	3.54	64	16493m	0.591	ppbv		
8) Dichlorotetrafluoroethane	3.17	85	111609	0.556	ppbv		93
9) Propene	2.99	41	50193	0.607	ppbv		99
10) Heptane	8.10	43	109232	0.530	ppbv		100
11) Trichlorofluoromethane	3.93	101	111285	0.562	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	75868	0.538	ppbv		98
13) Ethanol	3.63	45	6385m	0.579	ppbv		
14) Bromoethene	3.72	108	29624	0.477	ppbv	#	83
15) Acetone	3.86	43	78127m	0.605	ppbv		
16) 1,3-Butadiene	3.31	39	41319	0.515	ppbv		97
17) tert-Butyl alcohol	4.31	59	71153m	0.602	ppbv		
18) 1,1-Dichloroethene	4.27	96	35402	0.543	ppbv		90
19) Isopropyl Alcohol	3.99	45	44997m	0.648	ppbv		
20) Methylene Chloride	4.32	84	41766	0.604	ppbv	#	91
21) Allyl Chloride	4.39	41	47153	0.484	ppbv		92
22) trans-1,2-Dichloroethene	4.87	96	32078	0.514	ppbv	#	82
23) Vinyl Acetate	5.06	43	86074	0.420	ppbv	#	96
24) 1,1-Dichloroethane	4.99	63	74329	0.504	ppbv	#	98
25) Ethyl Acetate	5.67	43	159214	0.513	ppbv	#	96
26) Hexane	5.66	57	89192	0.563	ppbv		95
27) Carbon Disulfide	4.53	76	74075	0.464	ppbv	#	90
28) Methyl tert-Butyl Ether	5.03	73	98825	0.520	ppbv		98
29) Chloroform	5.73	83	125957	0.563	ppbv		99
30) Cyclohexane	7.10	84	72744	0.540	ppbv		91
31) cis-1,2-Dichloroethene	5.53	61	74896m	0.527	ppbv		
32) 1,1,1-Trichloroethane	6.48	97	122976m	0.512	ppbv		
34) 2-Butanone	5.24	43	85572m	0.641	ppbv		
35) Carbon Tetrachloride	6.99	117	119900	0.492	ppbv		98
36) Benzene	6.86	78	175289	0.555	ppbv		96
37) 1,2-Dichloroethane	6.29	62	80178	0.512	ppbv		97
38) Trichloroethene	7.81	130	70450	0.522	ppbv		89
39) 1,2-Dichloropropane	7.59	63	68627m	0.564	ppbv		
40) 1,4-Dioxane	7.86	88	17585m	0.612	ppbv		
41) Tetrahydrofuran	6.06	42	40013m	0.526	ppbv		
42) Bromodichloromethane	7.76	83	114813	0.485	ppbv	#	95
43) Methyl Methacrylate	8.00	69	49092	0.451	ppbv		90

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May 1
QLast Update : Tue May 18 12:00:15 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	303355	0.560	ppbv		99
45) t-1,3-Dichloropropene	9.25	75	31507m	0.379	ppbv		
46) cis-1,3-Dichloropropene	8.68	75	48054	0.430	ppbv		97
47) 1,1,2-Trichloroethane	9.45	97	68258	0.536	ppbv		96
48) Dibromochloromethane	10.28	129	95199	0.462	ppbv		96
49) Bromoform	13.01	173	67668	0.397	ppbv		98
50) 4-Methyl-2-Pentanone	8.74	43	101080	0.459	ppbv		88
51) 2-Hexanone	10.15	43	57030m	0.490	ppbv		
52) Tetrachloroethene	11.19	164	72458m	0.577	ppbv		
53) Toluene	9.78	91	198828	0.529	ppbv		98
54) 1,2-Dibromoethane	10.59	107	96691m	0.534	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.09	131	67707	0.458	ppbv	#	23
57) Chlorobenzene	12.12	112	150986	0.554	ppbv		97
58) Ethyl Benzene	12.68	91	255480	0.515	ppbv		97
59) m/p-Xylene	12.97	91	452541m	1.104	ppbv		
60) o-Xylene	13.66	91	221896	0.568	ppbv		100
61) Styrene	13.50	104	107921m	0.490	ppbv		
62) Isopropylbenzene	14.64	105	303709	0.541	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.64	83	140814m	0.482	ppbv		
64) n-propylbenzene	15.53	120	78184m	0.540	ppbv		
65) tert-Butylbenzene	16.72	119	290523	0.573	ppbv		98
66) Benzyl Chloride	16.96	91	11180m	0.398	ppbv		
67) sec-Butylbenzene	17.26	105	377671	0.546	ppbv		100
69) p-Isopropyltoluene	17.63	119	326605	0.549	ppbv		99
70) n-Butylbenzene	18.53	91	292900m	0.519	ppbv		
71) 2-Chlorotoluene	15.42	91	219167	0.540	ppbv		99
72) 4-Ethyltoluene	15.81	105	231409	0.499	ppbv		95
73) 1,3,5-Trimethylbenzene	15.97	105	224414	0.515	ppbv		94
74) 1,2,4-Trimethylbenzene	16.73	105	248823	0.553	ppbv		96
75) 1,3-Dichlorobenzene	16.97	146	136818	0.498	ppbv		91
76) 1,4-Dichlorobenzene	17.11	146	156279m	0.562	ppbv		
77) 1,2-Dichlorobenzene	17.79	146	140653	0.510	ppbv		95
78) Hexachloro-1,3-Butadiene	23.36	225	129981m	0.587	ppbv		
79) Naphthalene	22.18	128	157127m	0.445	ppbv		
80) Naphthalene,2-methyl-	25.05	142	26714m	0.348	ppbv		
81) 1,2,4-Trichlorobenzene	21.90	180	102955m	0.478	ppbv		

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

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