Quantitation Report (QT Reviewed)

Data Path : Y:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081821\
Data File : VL037491.D
Acq On : 18 Aug 2021 14:50
Operator : SY/AP
Sample : M2940-15 0.45 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Manual Integrations APPROVED
MMDadoda
8/19/2021 5:57:58 PM

Quant Time: Aug 19 02:49:29 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug 1
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1344613	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	4159564	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	3526680	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2550665	10.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	109936	0.510	ppbv		99
3) Chlorodifluoromethane	2.98	51	136927	0.532	ppbv		97
4) Chloromethane	3.13	50	44807	0.487	ppbv		99
5) Vinyl Chloride	3.26	62	46632m	0.495	ppbv		
6) Bromomethane	3.47	94	26425m	0.512	ppbv		
7) Chloroethane	3.55	64	19181m	0.596	ppbv		
8) Dichlorotetrafluoroethane	3.18	85	117464	0.527	ppbv		100
9) Propene	3.01	41	42451m	0.461	ppbv		
10) Heptane	8.11	43	87142	0.411	ppbv		92
11) Trichlorofluoromethane	3.94	101	100158	0.495	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	78373	0.527	ppbv		99
13) Ethanol	3.63	45	7382m	0.823	ppbv		
14) Bromoethene	3.74	108	31989m	0.474	ppbv		
15) Acetone	3.86	43	77112m	0.564	ppbv		
16) 1,3-Butadiene	3.32	39	43214m	0.492	ppbv		
17) tert-Butyl alcohol	4.32	59	63065m	0.504	ppbv		
18) 1,1-Dichloroethene	4.28	96	29685	0.440	ppbv		79
19) Isopropyl Alcohol	3.99	45	38422m	0.490	ppbv		
20) Methylene Chloride	4.34	84	41534m	0.606	ppbv		
21) Allyl Chloride	4.40	41	50485m	0.454	ppbv		
22) trans-1,2-Dichloroethene	4.87	96	29377m	0.436	ppbv		
23) Vinyl Acetate	5.08	43	82979	0.411	ppbv	#	96
24) 1,1-Dichloroethane	5.00	63	75804m	0.518	ppbv		
25) Ethyl Acetate	5.68	43	156532	0.451	ppbv	#	94
26) Hexane	5.68	57	79633m	0.469	ppbv		
27) Carbon Disulfide	4.55	76	60337m	0.399	ppbv		
28) Methyl tert-Butyl Ether	5.04	73	84353m	0.517	ppbv		
29) Chloroform	5.74	83	118330	0.492	ppbv		87
30) Cyclohexane	7.12	84	65129m	0.460	ppbv		
31) cis-1,2-Dichloroethene	5.54	61	60254	0.392	ppbv		94
32) 1,1,1-Trichloroethane	6.50	97	114533	0.484	ppbv		96
34) 2-Butanone	5.26	43	80248m	0.472	ppbv		
35) Carbon Tetrachloride	7.01	117	110451m	0.449	ppbv		
36) Benzene	6.88	78	147603	0.422	ppbv	#	89
37) 1,2-Dichloroethane	6.29	62	76263	0.440	ppbv	#	94
38) Trichloroethene	7.82	130	67508m	0.471	ppbv		
39) 1,2-Dichloropropane	7.60	63	63240m	0.471	ppbv		
40) 1,4-Dioxane	7.87	88	17727m	0.539	ppbv		
41) Tetrahydrofuran	6.07	42	31407m	0.384	ppbv		
42) Bromodichloromethane	7.78	83	94092	0.372	ppbv		87
43) Methyl Methacrylate	8.02	69	44632m	0.366	ppbv		

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QLast Update : Tue Aug 17 02:13:47 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	255355m	0.434	ppbv		
45) t-1,3-Dichloropropene	9.27	75	29026m	0.316	ppbv		
46) cis-1,3-Dichloropropene	8.69	75	41359m	0.323	ppbv		
47) 1,1,2-Trichloroethane	9.46	97	63536m	0.438	ppbv		
48) Dibromochloromethane	10.28	129	75433	0.361	ppbv		93
49) Bromoform	13.02	173	52032m	0.316	ppbv		
50) 4-Methyl-2-Pentanone	8.76	43	81020m	0.366	ppbv		
51) 2-Hexanone	10.16	43	35013m	0.344	ppbv		
52) Tetrachloroethene	11.20	164	61567m	0.430	ppbv		
53) Toluene	9.79	91	150772m	0.378	ppbv		
54) 1,2-Dibromoethane	10.59	107	80775	0.399	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.10	131	69941m	0.476	ppbv		
57) Chlorobenzene	12.13	112	141198	0.482	ppbv	#	89
58) Ethyl Benzene	12.69	91	186696	0.381	ppbv		91
59) m/p-Xylene	12.98	91	360265m	0.849	ppbv		
60) o-Xylene	13.68	91	170543	0.431	ppbv		97
61) Styrene	13.51	104	59884	0.291	ppbv		90
62) Isopropylbenzene	14.65	105	257330	0.460	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.67	83	145124m	0.493	ppbv		
64) n-propylbenzene	15.54	120	62693m	0.441	ppbv		
65) tert-Butylbenzene	16.73	119	223156	0.438	ppbv		93
66) Benzyl Chloride	16.97	91	12786m	0.555	ppbv		
67) sec-Butylbenzene	17.28	105	315238	0.443	ppbv		98
69) p-Isopropyltoluene	17.64	119	239642	0.413	ppbv		96
70) n-Butylbenzene	18.53	91	227933	0.412	ppbv		97
71) 2-Chlorotoluene	15.44	91	174722m	0.426	ppbv		
72) 4-Ethyltoluene	15.82	105	187922	0.399	ppbv	#	97
73) 1,3,5-Trimethylbenzene	15.98	105	181424	0.414	ppbv		91
74) 1,2,4-Trimethylbenzene	16.74	105	207785	0.446	ppbv		97
75) 1,3-Dichlorobenzene	16.98	146	128954	0.460	ppbv		93
76) 1,4-Dichlorobenzene	17.12	146	114760	0.406	ppbv		87
77) 1,2-Dichlorobenzene	17.80	146	124690m	0.452	ppbv		
78) Hexachloro-1,3-Butadiene	23.36	225	123314m	0.537	ppbv		
79) Naphthalene	22.19	128	88173m	0.283	ppbv		
80) Naphthalene,2-methyl-	25.08	142	13216m	0.152	ppbv		
81) 1,2,4-Trichlorobenzene	21.90	180	74606m	0.381	ppbv		

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

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