Quantitation Report (QT Reviewed)

Data Path : Y:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081621\
Data File : VL037481.D
Acq On : 17 Aug 2021 3:49
Operator : SY/AP
Sample : M2940-13 0.4 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Manual Integrations APPROVED
MMDadoda
8/19/2021 5:59:52 PM

Quant Time: Aug 17 12:43:10 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	5.65	49	1345125	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	4050839	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	3566621	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2565046	10.12	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	120621m	0.559	ppbv		
3) Chlorodifluoromethane	2.98	51	119151	0.463	ppbv		97
4) Chloromethane	3.13	50	41915	0.455	ppbv		92
5) Vinyl Chloride	3.24	62	39657m	0.421	ppbv		
6) Bromomethane	3.47	94	22949m	0.444	ppbv		
7) Chloroethane	3.55	64	15614m	0.485	ppbv		
8) Dichlorotetrafluoroethane	3.18	85	101181	0.454	ppbv		95
9) Propene	3.00	41	39201m	0.425	ppbv		
10) Heptane	8.11	43	73048	0.344	ppbv		91
11) Trichlorofluoromethane	3.94	101	84246	0.416	ppbv		87
12) 1,1,2-Trichlorotrifluoroet	4.47	101	64309	0.433	ppbv		95
13) Ethanol	3.62	45	5020m	0.560	ppbv		
14) Bromoethene	3.73	108	26898m	0.399	ppbv		
15) Acetone	3.87	43	71583m	0.523	ppbv		
16) 1,3-Butadiene	3.33	39	40633m	0.463	ppbv		
17) tert-Butyl alcohol	4.32	59	55231m	0.442	ppbv		
18) 1,1-Dichloroethene	4.27	96	30811m	0.456	ppbv		
19) Isopropyl Alcohol	3.99	45	35257m	0.450	ppbv		
20) Methylene Chloride	4.33	84	36944m	0.539	ppbv		
21) Allyl Chloride	4.40	41	41058	0.369	ppbv	#	85
22) trans-1,2-Dichloroethene	4.88	96	27310m	0.405	ppbv		
23) Vinyl Acetate	5.07	43	76253m	0.378	ppbv		
24) 1,1-Dichloroethane	5.00	63	72444m	0.495	ppbv		
25) Ethyl Acetate	5.68	43	132459	0.381	ppbv	#	94
26) Hexane	5.67	57	60099	0.354	ppbv	#	80
27) Carbon Disulfide	4.54	76	45416	0.300	ppbv	#	79
28) Methyl tert-Butyl Ether	5.04	73	77882m	0.477	ppbv		
29) Chloroform	5.74	83	105063	0.436	ppbv		86
30) Cyclohexane	7.11	84	45684m	0.323	ppbv		
31) cis-1,2-Dichloroethene	5.54	61	57848m	0.376	ppbv		
32) 1,1,1-Trichloroethane	6.49	97	93049	0.393	ppbv		96
34) 2-Butanone	5.26	43	66977m	0.405	ppbv		
35) Carbon Tetrachloride	7.00	117	91652m	0.383	ppbv		
36) Benzene	6.87	78	110453	0.324	ppbv	#	90
37) 1,2-Dichloroethane	6.29	62	75709m	0.449	ppbv		
38) Trichloroethene	7.82	130	56657m	0.406	ppbv		
39) 1,2-Dichloropropane	7.60	63	54134m	0.414	ppbv		
40) 1,4-Dioxane	7.87	88	13578m	0.424	ppbv		
41) Tetrahydrofuran	6.07	42	23847m	0.299	ppbv		
42) Bromodichloromethane	7.78	83	93382m	0.379	ppbv		
43) Methyl Methacrylate	8.01	69	32841m	0.277	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	211556m	0.369 ppbv	
45) t-1,3-Dichloropropene	9.27	75	24277m	0.272 ppbv	
46) cis-1,3-Dichloropropene	8.69	75	34401m	0.276 ppbv	
47) 1,1,2-Trichloroethane	9.46	97	60408m	0.427 ppbv	
48) Dibromochloromethane	10.29	129	66040m	0.325 ppbv	
49) Bromoform	13.02	173	46037m	0.287 ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	69777m	0.323 ppbv	
51) 2-Hexanone	10.15	43	28652m	0.289 ppbv	
52) Tetrachloroethene	11.21	164	51060m	0.366 ppbv	
53) Toluene	9.79	91	118881	0.306 ppbv	97
54) 1,2-Dibromoethane	10.59	107	74567m	0.378 ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	64758m	0.436 ppbv	
57) Chlorobenzene	12.13	112	124316	0.420 ppbv	91
58) Ethyl Benzene	12.69	91	172800m	0.349 ppbv	
59) m/p-Xylene	12.98	91	304785m	0.710 ppbv	
60) o-Xylene	13.67	91	143338	0.358 ppbv	99
61) Styrene	13.51	104	54200m	0.261 ppbv	
62) Isopropylbenzene	14.65	105	233507	0.413 ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.66	83	131441m	0.442 ppbv	
64) n-propylbenzene	15.55	120	53372m	0.371 ppbv	
65) tert-Butylbenzene	16.73	119	205354m	0.399 ppbv	
66) Benzyl Chloride	16.99	91	8474m	0.364 ppbv	
67) sec-Butylbenzene	17.28	105	271716	0.378 ppbv	97
69) p-Isopropyltoluene	17.64	119	199661	0.341 ppbv	96
70) n-Butylbenzene	18.54	91	173596	0.310 ppbv	99
71) 2-Chlorotoluene	15.43	91	149923	0.362 ppbv	97
72) 4-Ethyltoluene	15.82	105	163218m	0.343 ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	165049m	0.372 ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	178389m	0.379 ppbv	
75) 1,3-Dichlorobenzene	16.98	146	116674m	0.411 ppbv	
76) 1,4-Dichlorobenzene	17.12	146	107966m	0.378 ppbv	
77) 1,2-Dichlorobenzene	17.81	146	108989m	0.390 ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	102421m	0.441 ppbv	
79) Naphthalene	22.18	128	68197m	0.216 ppbv	
80) Naphthalene,2-methyl-	25.10	142	8072m	0.092 ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	61347m	0.310 ppbv	

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

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