Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
Data File : VL037856.D
Acq On : 18 Oct 2021 17:33
Operator : SY/AP
Sample : M4068-14 0.5 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 19 09:16:03 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2021

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1270787	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3808287	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3121429	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2285127	10.47	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	137812	0.679	ppbv	91
3) Chlorodifluoromethane	3.00	51	140009	0.573	ppbv	99
4) Chloromethane	3.15	50	50780	0.568	ppbv	98
5) Vinyl Chloride	3.27	62	46139	0.563	ppbv	99
6) Bromomethane	3.48	94	27338m	0.616	ppbv	
7) Chloroethane	3.57	64	18078m	0.600	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	111418	0.555	ppbv	92
9) Propene	3.02	41	47804m	0.532	ppbv	
10) Heptane	8.13	43	89735m	0.440	ppbv	
11) Trichlorofluoromethane	3.96	101	98562	0.544	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	77100	0.562	ppbv	97
13) Ethanol	3.63	45	8582m	1.168	ppbv	
14) Bromoethene	3.75	108	29994	0.497	ppbv #	89
15) Acetone	3.87	43	74958m	0.657	ppbv	
16) 1,3-Butadiene	3.33	39	47434m	0.571	ppbv	
17) tert-Butyl alcohol	4.32	59	66447m	0.566	ppbv	
18) 1,1-Dichloroethene	4.29	96	35089m	0.563	ppbv	
19) Isopropyl Alcohol	4.00	45	38858m	0.548	ppbv	
20) Methylene Chloride	4.35	84	53723m	0.932	ppbv	
21) Allyl Chloride	4.42	41	55373m	0.548	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	36445m	0.581	ppbv	
23) Vinyl Acetate	5.09	43	101883m	0.596	ppbv	
24) 1,1-Dichloroethane	5.02	63	75225m	0.604	ppbv	
25) Ethyl Acetate	5.70	43	175049m	0.547	ppbv	
26) Hexane	5.70	57	78277	0.497	ppbv #	89
27) Carbon Disulfide	4.56	76	65383	0.468	ppbv #	90
28) Methyl tert-Butyl Ether	5.05	73	72382m	0.552	ppbv	
29) Chloroform	5.75	83	125448	0.557	ppbv	86
30) Cyclohexane	7.13	84	69412m	0.519	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	68192m	0.477	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	109252	0.511	ppbv	96
34) 2-Butanone	5.27	43	76305m	0.496	ppbv	
35) Carbon Tetrachloride	7.02	117	104388	0.483	ppbv	93
36) Benzene	6.89	78	147405	0.453	ppbv	92
37) 1,2-Dichloroethane	6.31	62	79663m	0.520	ppbv	
38) Trichloroethene	7.83	130	64334m	0.501	ppbv	
39) 1,2-Dichloropropane	7.62	63	62563m	0.511	ppbv	
40) 1,4-Dioxane	7.89	88	16064m	0.525	ppbv	
41) Tetrahydrofuran	6.09	42	31797m	0.422	ppbv	
42) Bromodichloromethane	7.79	83	114435m	0.509	ppbv	
43) Methyl Methacrylate	8.03	69	41525m	0.391	ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
Data File : VL037856.D
Acq On : 18 Oct 2021 17:33
Operator : SY/AP
Sample : M4068-14 0.5 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 19 09:16:03 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2021

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	253351	0.464	ppbv		92
45) t-1,3-Dichloropropene	9.29	75	24799m	0.339	ppbv		
46) cis-1,3-Dichloropropene	8.70	75	41084m	0.405	ppbv		
47) 1,1,2-Trichloroethane	9.48	97	66470m	0.500	ppbv		
48) Dibromochloromethane	10.31	129	81105m	0.428	ppbv		
49) Bromoform	13.05	173	59648m	0.411	ppbv		
50) 4-Methyl-2-Pentanone	8.78	43	73376m	0.367	ppbv		
51) 2-Hexanone	10.17	43	30558m	0.342	ppbv		
52) Tetrachloroethene	11.23	164	54881	0.434	ppbv		95
53) Toluene	9.81	91	141675	0.393	ppbv		96
54) 1,2-Dibromoethane	10.61	107	76552	0.426	ppbv		81
56) 1,1,1,2-Tetrachloroethane	12.12	131	71439m	0.553	ppbv		
57) Chlorobenzene	12.15	112	139948	0.547	ppbv	#	86
58) Ethyl Benzene	12.72	91	169531	0.404	ppbv		99
59) m/p-Xylene	13.00	91	336758m	0.936	ppbv		
60) o-Xylene	13.70	91	153568	0.445	ppbv		96
61) Styrene	13.54	104	48172	0.289	ppbv		90
62) Isopropylbenzene	14.67	105	243980m	0.507	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.69	83	150345m	0.565	ppbv		
64) n-propylbenzene	15.57	120	58608m	0.489	ppbv		
65) tert-Butylbenzene	16.75	119	206759m	0.489	ppbv		
66) Benzyl Chloride	17.01	91	9668m	0.463	ppbv		
67) sec-Butylbenzene	17.29	105	288302	0.498	ppbv		97
69) p-Isopropyltoluene	17.65	119	216001m	0.462	ppbv		
70) n-Butylbenzene	18.55	91	187865	0.423	ppbv		98
71) 2-Chlorotoluene	15.46	91	153695m	0.453	ppbv		
72) 4-Ethyltoluene	15.84	105	176355m	0.450	ppbv		
73) 1,3,5-Trimethylbenzene	16.00	105	172872m	0.486	ppbv		
74) 1,2,4-Trimethylbenzene	16.76	105	184316	0.494	ppbv		96
75) 1,3-Dichlorobenzene	17.00	146	124669m	0.539	ppbv		
76) 1,4-Dichlorobenzene	17.14	146	102751	0.466	ppbv		91
77) 1,2-Dichlorobenzene	17.82	146	116632m	0.525	ppbv		
78) Hexachloro-1,3-Butadiene	23.38	225	116599m	0.643	ppbv		
79) Naphthalene	22.21	128	72589m	0.317	ppbv		
80) Naphthalene,2-methyl-	24.96	142	7736	0.126	ppbv		90
81) 1,2,4-Trichlorobenzene	21.93	180	62602m	0.428	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
Data File : VL037856.D
Acq On : 18 Oct 2021 17:33
Operator : SY/AP
Sample : M4068-14 0.5 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 19 09:16:03 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2021

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021