Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022521\
Data File : VL036389.D
Acq On : 25 Feb 2021 20:06
Operator : SY/AP
Sample : M1458-13 0.45LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 15:57:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT1-2021

Manual Integrations APPROVED
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3/1/2021 10:03:07 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1492826	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	3340374	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	3041092	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2522803	10.08	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	152253	0.683	ppbv		100
3) Chlorodifluoromethane	2.98	51	112343	0.606	ppbv		97
4) Chloromethane	3.13	50	48634	0.543	ppbv	#	86
5) Vinyl Chloride	3.24	62	45604	0.547	ppbv		94
6) Bromomethane	3.46	94	29694m	0.599	ppbv		
7) Chloroethane	3.54	64	18429m	0.622	ppbv		
8) Dichlorotetrafluoroethane	3.17	85	118582	0.585	ppbv		92
9) Propene	3.00	41	44893m	0.649	ppbv		
10) Heptane	8.10	43	91647	0.450	ppbv		99
11) Trichlorofluoromethane	3.93	101	119938	0.550	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	81796m	0.605	ppbv		
13) Ethanol	3.60	45	7432m	0.572	ppbv		
14) Bromoethene	3.73	108	27001	0.477	ppbv	#	94
15) Acetone	3.85	43	120432m	0.660	ppbv		
16) 1,3-Butadiene	3.32	39	51002m	0.584	ppbv		
17) tert-Butyl alcohol	4.29	59	73313m	0.518	ppbv		
18) 1,1-Dichloroethene	4.27	96	35104m	0.572	ppbv		
19) Isopropyl Alcohol	3.97	45	60573m	0.599	ppbv		
20) Methylene Chloride	4.33	84	37396m	0.635	ppbv		
21) Allyl Chloride	4.40	41	48020	0.473	ppbv		98
22) trans-1,2-Dichloroethene	4.87	96	28694m	0.514	ppbv		
23) Vinyl Acetate	5.06	43	108299m	0.505	ppbv		
24) 1,1-Dichloroethane	4.99	63	88989m	0.561	ppbv		
25) Ethyl Acetate	5.66	43	162956	0.463	ppbv	#	94
26) Hexane	5.67	57	66696	0.461	ppbv	#	77
27) Carbon Disulfide	4.54	76	65722m	0.494	ppbv		
28) Methyl tert-Butyl Ether	5.03	73	86163m	0.456	ppbv		
29) Chloroform	5.73	83	135241	0.580	ppbv		90
30) Cyclohexane	7.11	84	59980m	0.498	ppbv		
31) cis-1,2-Dichloroethene	5.53	61	57794	0.404	ppbv		97
32) 1,1,1-Trichloroethane	6.49	97	117483	0.539	ppbv		95
34) 2-Butanone	5.24	43	95157	0.429	ppbv		99
35) Carbon Tetrachloride	7.00	117	119807m	0.535	ppbv		
36) Benzene	6.87	78	122713	0.432	ppbv		95
37) 1,2-Dichloroethane	6.29	62	89179	0.508	ppbv		97
38) Trichloroethene	7.83	130	52660m	0.518	ppbv		
39) 1,2-Dichloropropane	7.59	63	64457m	0.559	ppbv		
40) 1,4-Dioxane	7.85	88	23356m	0.585	ppbv		
41) Tetrahydrofuran	6.06	42	51137m	0.413	ppbv		
42) Bromodichloromethane	7.78	83	119487	0.509	ppbv	#	78
43) Methyl Methacrylate	8.00	69	45101m	0.377	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	240606	0.466 ppbv #	90
45) t-1,3-Dichloropropene	9.26	75	43367m	0.376 ppbv	
46) cis-1,3-Dichloropropene	8.69	75	55801m	0.381 ppbv	
47) 1,1,2-Trichloroethane	9.46	97	63841m	0.541 ppbv	
48) Dibromochloromethane	10.28	129	82975	0.471 ppbv	96
49) Bromoform	13.02	173	62163m	0.437 ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	143647m	0.436 ppbv	
51) 2-Hexanone	10.14	43	83912m	0.335 ppbv	
52) Tetrachloroethene	11.20	164	48677m	0.469 ppbv	
53) Toluene	9.79	91	116446	0.379 ppbv	98
54) 1,2-Dibromoethane	10.59	107	84754m	0.497 ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	80493m	0.575 ppbv	
57) Chlorobenzene	12.13	112	133231	0.567 ppbv #	92
58) Ethyl Benzene	12.70	91	175732m	0.422 ppbv	
59) m/p-Xylene	12.98	91	347896m	0.951 ppbv	
60) o-Xylene	13.67	91	171431	0.490 ppbv	100
61) Styrene	13.52	104	70944m	0.327 ppbv	
62) Isopropylbenzene	14.65	105	250889	0.479 ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	154516m	0.560 ppbv	
64) n-propylbenzene	15.55	120	57662	0.447 ppbv #	57
65) tert-Butylbenzene	16.73	119	214747m	0.479 ppbv	
66) Benzyl Chloride	16.99	91	51369m	0.421 ppbv	
67) sec-Butylbenzene	17.28	105	307948	0.476 ppbv	98
69) p-Isopropyltoluene	17.64	119	218592	0.437 ppbv	95
70) n-Butylbenzene	18.55	91	239080m	0.446 ppbv	
71) 2-Chlorotoluene	15.43	91	181997m	0.453 ppbv	
72) 4-Ethyltoluene	15.83	105	162860m	0.418 ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	154197	0.409 ppbv #	85
74) 1,2,4-Trimethylbenzene	16.75	105	187455	0.487 ppbv #	95
75) 1,3-Dichlorobenzene	16.98	146	116701m	0.558 ppbv	
76) 1,4-Dichlorobenzene	17.13	146	99768m	0.460 ppbv	
77) 1,2-Dichlorobenzene	17.81	146	99684	0.481 ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	93946m	0.554 ppbv	
79) Naphthalene	22.20	128	47027m	0.206 ppbv	
80) Naphthalene,2-methyl-	25.11	142	4948m	0.117 ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	44352m	0.318 ppbv	

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

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