Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061621\
Data File : VL037165.D
Acq On : 16 Jun 2021 10:04
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 16 12:20:31 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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6/17/2021 5:37:15 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1572013	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	4642565	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	4448230	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	3239582	9.89	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	514193	2.054	ppbv		97
3) Chlorodifluoromethane	2.99	51	641221	2.174	ppbv		99
4) Chloromethane	3.14	50	212698	2.117	ppbv		98
5) Vinyl Chloride	3.26	62	234536	2.413	ppbv		98
6) Bromomethane	3.47	94	131990	2.135	ppbv		98
7) Chloroethane	3.56	64	85338m	2.250	ppbv		
8) Dichlorotetrafluoroethane	3.19	85	572876	2.142	ppbv		98
9) Propene	3.01	41	209125	2.150	ppbv		100
10) Heptane	8.13	43	516080	2.226	ppbv		98
11) Trichlorofluoromethane	3.95	101	605599	2.132	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	429660	2.205	ppbv		98
13) Ethanol	3.62	45	33486m	2.492	ppbv		
14) Bromoethene	3.74	108	177010	2.099	ppbv		94
15) Acetone	3.86	43	432819	2.301	ppbv	#	84
16) 1,3-Butadiene	3.33	39	227092	2.236	ppbv		98
17) tert-Butyl alcohol	4.30	59	366702	2.253	ppbv		98
18) 1,1-Dichloroethene	4.29	96	185693	2.112	ppbv		99
19) Isopropyl Alcohol	3.98	45	234549m	2.272	ppbv		
20) Methylene Chloride	4.35	84	265031m	3.233	ppbv		
21) Allyl Chloride	4.42	41	288152m	2.293	ppbv		
22) trans-1,2-Dichloroethene	4.89	96	192686	2.250	ppbv		98
23) Vinyl Acetate	5.08	43	561873	2.275	ppbv		100
24) 1,1-Dichloroethane	5.02	63	438064	2.210	ppbv		99
25) Ethyl Acetate	5.69	43	838234	2.274	ppbv		98
26) Hexane	5.69	57	420968	2.297	ppbv		95
27) Carbon Disulfide	4.56	76	404107	2.174	ppbv		96
28) Methyl tert-Butyl Ether	5.04	73	489928	2.134	ppbv		100
29) Chloroform	5.76	83	629477	2.127	ppbv		98
30) Cyclohexane	7.14	84	342026	2.140	ppbv		88
31) cis-1,2-Dichloroethene	5.55	61	367755	2.082	ppbv		100
32) 1,1,1-Trichloroethane	6.52	97	649989	2.392	ppbv		100
34) 2-Butanone	5.25	43	412895m	2.368	ppbv		
35) Carbon Tetrachloride	7.03	117	673975	2.362	ppbv		94
36) Benzene	6.90	78	797796	2.166	ppbv		98
37) 1,2-Dichloroethane	6.31	62	476048m	2.225	ppbv		
38) Trichloroethene	7.84	130	356258m	2.238	ppbv		
39) 1,2-Dichloropropane	7.62	63	297822	2.117	ppbv		96
40) 1,4-Dioxane	7.86	88	78705	1.998	ppbv		65
41) Tetrahydrofuran	6.07	42	176113	2.075	ppbv		96
42) Bromodichloromethane	7.80	83	646144	2.192	ppbv		99
43) Methyl Methacrylate	8.02	69	276657	2.189	ppbv		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1392244	2.258	ppbv		99
45) t-1,3-Dichloropropene	9.28	75	241512m	2.121	ppbv		
46) cis-1,3-Dichloropropene	8.71	75	333300	2.193	ppbv		95
47) 1,1,2-Trichloroethane	9.48	97	330404	2.071	ppbv		98
48) Dibromochloromethane	10.32	129	545693	2.120	ppbv		96
49) Bromoform	13.05	173	417351	2.076	ppbv		100
50) 4-Methyl-2-Pentanone	8.76	43	540451	2.107	ppbv		98
51) 2-Hexanone	10.16	43	271527	2.121	ppbv	#	99
52) Tetrachloroethene	11.23	164	341343	2.240	ppbv		95
53) Toluene	9.82	91	979146	2.236	ppbv		98
54) 1,2-Dibromoethane	10.62	107	504195	2.158	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.14	131	406214m	2.094	ppbv		
57) Chlorobenzene	12.15	112	749452	2.103	ppbv		100
58) Ethyl Benzene	12.72	91	1319861	2.191	ppbv		99
59) m/p-Xylene	13.00	91	2212857m	4.322	ppbv		
60) o-Xylene	13.70	91	1065122	2.167	ppbv		99
61) Styrene	13.54	104	539220	2.080	ppbv		98
62) Isopropylbenzene	14.67	105	1502881	2.145	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.69	83	677532	2.120	ppbv		99
64) n-propylbenzene	15.57	120	375050	2.099	ppbv		82
65) tert-Butylbenzene	16.75	119	1395250	2.197	ppbv		100
66) Benzyl Chloride	17.00	91	57652m	2.080	ppbv		
67) sec-Butylbenzene	17.30	105	1850998	2.194	ppbv		98
69) p-Isopropyltoluene	17.66	119	1584845	2.247	ppbv		98
70) n-Butylbenzene	18.56	91	1458294	2.260	ppbv		98
71) 2-Chlorotoluene	15.46	91	1052843	2.106	ppbv		100
72) 4-Ethyltoluene	15.85	105	1205907	2.112	ppbv		99
73) 1,3,5-Trimethylbenzene	16.00	105	1135065	2.095	ppbv		94
74) 1,2,4-Trimethylbenzene	16.77	105	1208673	2.193	ppbv		95
75) 1,3-Dichlorobenzene	17.00	146	717761	2.115	ppbv		99
76) 1,4-Dichlorobenzene	17.15	146	742835m	2.204	ppbv		
77) 1,2-Dichlorobenzene	17.82	146	698267	2.087	ppbv		99
78) Hexachloro-1,3-Butadiene	23.38	225	614123	2.589	ppbv		98
79) Naphthalene	22.21	128	1065846	3.213	ppbv		99
80) Naphthalene,2-methyl-	24.99	142	238299	2.969	ppbv	#	83
81) 1,2,4-Trichlorobenzene	21.94	180	598560	2.836	ppbv		100

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

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