Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL042821\
Data File : VL036876.D
Acq On : 28 Apr 2021 12:05
Operator : SY/AP
Sample : VL0428ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 03:18:55 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 2
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL0428ABS01

Manual Integrations APPROVED
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4/29/2021 5:53:50 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1560515	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.19	114	3971047	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.10	117	3656265m	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	3107802	10.59	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	2266215	9.221	ppbv		100
3) Chlorodifluoromethane	3.00	51	2687993	9.456	ppbv		100
4) Chloromethane	3.15	50	918112	9.827	ppbv		96
5) Vinyl Chloride	3.27	62	914292	9.702	ppbv		98
6) Bromomethane	3.48	94	520057	10.262	ppbv		98
7) Chloroethane	3.56	64	310856	10.038	ppbv	#	86
8) Dichlorotetrafluoroethane	3.20	85	2201447	9.821	ppbv		98
9) Propene	3.02	41	818353	9.448	ppbv		98
10) Heptane	8.14	43	2207077	10.132	ppbv		97
11) Trichlorofluoromethane	3.96	101	2154412	9.821	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1418327	9.660	ppbv		100
13) Ethanol	3.62	45	87588m	7.929	ppbv		
14) Bromoethene	3.75	108	601253	10.023	ppbv		100
15) Acetone	3.86	43	1170922	7.961	ppbv		100
16) 1,3-Butadiene	3.33	39	924557	9.830	ppbv		99
17) tert-Butyl alcohol	4.30	59	1246535	10.441	ppbv		100
18) 1,1-Dichloroethene	4.30	96	630520	9.881	ppbv		97
19) Isopropyl Alcohol	3.98	45	674418	9.254	ppbv		99
20) Methylene Chloride	4.36	84	550571m	7.828	ppbv		
21) Allyl Chloride	4.42	41	1050023	9.607	ppbv		99
22) trans-1,2-Dichloroethene	4.90	96	607804	9.492	ppbv		99
23) Vinyl Acetate	5.09	43	2350618	11.749	ppbv		98
24) 1,1-Dichloroethane	5.02	63	1575408	11.092	ppbv		99
25) Ethyl Acetate	5.69	43	3393321	9.445	ppbv		99
26) Hexane	5.70	57	1588008	9.447	ppbv		95
27) Carbon Disulfide	4.56	76	1522641	10.429	ppbv		99
28) Methyl tert-Butyl Ether	5.05	73	1774842	11.912	ppbv		100
29) Chloroform	5.76	83	2580263	9.846	ppbv		98
30) Cyclohexane	7.14	84	1367678	10.260	ppbv		96
31) cis-1,2-Dichloroethene	5.56	61	1532723	10.158	ppbv		99
32) 1,1,1-Trichloroethane	6.53	97	2599292	9.754	ppbv		100
34) 2-Butanone	5.26	43	1612976	9.273	ppbv		97
35) Carbon Tetrachloride	7.03	117	2756688	10.231	ppbv		97
36) Benzene	6.91	78	3340131	9.983	ppbv		98
37) 1,2-Dichloroethane	6.32	62	1942517	10.253	ppbv		99
38) Trichloroethene	7.85	130	1236165	10.377	ppbv		97
39) 1,2-Dichloropropane	7.63	63	1288304	9.611	ppbv		97
40) 1,4-Dioxane	7.85	88	315631m	9.751	ppbv		
41) Tetrahydrofuran	6.06	42	751674	9.878	ppbv		98
42) Bromodichloromethane	7.81	83	2743508	10.422	ppbv		99
43) Methyl Methacrylate	8.03	69	1214835	11.127	ppbv		96

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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5660817	9.872	ppbv		100
45) t-1,3-Dichloropropene	9.29	75	1333269	11.329	ppbv		99
46) cis-1,3-Dichloropropene	8.72	75	1708047	11.319	ppbv		98
47) 1,1,2-Trichloroethane	9.49	97	1388484	10.005	ppbv		99
48) Dibromochloromethane	10.32	129	2229591	10.842	ppbv		99
49) Bromoform	13.06	173	1843304	11.228	ppbv		99
50) 4-Methyl-2-Pentanone	8.76	43	2486196	10.456	ppbv		99
51) 2-Hexanone	10.15	43	1274256	10.745	ppbv	#	100
52) Tetrachloroethene	11.24	164	1118399	9.816	ppbv		98
53) Toluene	9.82	91	3743611	10.693	ppbv		100
54) 1,2-Dibromoethane	10.63	107	1940364	9.903	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1529893	9.981	ppbv		99
57) Chlorobenzene	12.16	112	2777240	9.752	ppbv		99
58) Ethyl Benzene	12.73	91	5000494	10.783	ppbv		100
59) m/p-Xylene	13.01	91	8612449m	20.779	ppbv		
60) o-Xylene	13.71	91	4035307	10.069	ppbv		100
61) Styrene	13.55	104	2290623	12.171	ppbv		100
62) Isopropylbenzene	14.69	105	5444006	9.984	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3011772	9.375	ppbv		99
64) n-propylbenzene	15.58	120	1447396	10.651	ppbv		100
65) tert-Butylbenzene	16.76	119	4826085	10.011	ppbv		99
66) Benzyl Chloride	17.00	91	494402	10.488	ppbv		99
67) sec-Butylbenzene	17.31	105	6761193	10.100	ppbv		100
69) p-Isopropyltoluene	17.67	119	5551829	10.345	ppbv		100
70) n-Butylbenzene	18.57	91	5704636	10.545	ppbv		100
71) 2-Chlorotoluene	15.47	91	4213923	10.435	ppbv		99
72) 4-Ethyltoluene	15.86	105	4780053	11.112	ppbv		99
73) 1,3,5-Trimethylbenzene	16.01	105	4339553	10.402	ppbv		100
74) 1,2,4-Trimethylbenzene	16.78	105	4517001	10.193	ppbv		99
75) 1,3-Dichlorobenzene	17.02	146	2602824	9.936	ppbv		99
76) 1,4-Dichlorobenzene	17.16	146	2486365	9.699	ppbv		99
77) 1,2-Dichlorobenzene	17.84	146	2509990	9.810	ppbv		99
78) Hexachloro-1,3-Butadiene	23.40	225	1769854	8.141	ppbv		99
79) Naphthalene	22.22	128	2734728m	11.019	ppbv		
80) Naphthalene,2-methyl-	25.00	142	307136	11.222	ppbv		96
81) 1,2,4-Trichlorobenzene	21.95	180	1580732	9.847	ppbv		98

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

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