Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080421\
Data File : VL037339.D
Acq On : 5 Aug 2021 11:55
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
MMDadoda
8/5/2021 4:39:10 PM

Quant Time: Aug 05 13:53:27 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1021741	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3353614	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2890807m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2094329	10.61	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1600056	7.713	ppbv	99
3) Chlorodifluoromethane	2.98	51	1794887	8.640	ppbv	98
4) Chloromethane	3.13	50	607544	8.166	ppbv	97
5) Vinyl Chloride	3.25	62	664867	8.538	ppbv	100
6) Bromomethane	3.47	94	361135	7.515	ppbv	99
7) Chloroethane	3.55	64	238668	8.626	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1633898	8.232	ppbv	98
9) Propene	3.01	41	571236	7.605	ppbv	99
10) Heptane	8.11	43	1438674	8.200	ppbv	99
11) Trichlorofluoromethane	3.94	101	1625585	8.518	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1212527	8.738	ppbv	99
13) Ethanol	3.61	45	76469	6.759	ppbv	100
14) Bromoethene	3.73	108	522042	8.427	ppbv	97
15) Acetone	3.84	43	1084567	9.772	ppbv	99
16) 1,3-Butadiene	3.32	39	622655	8.709	ppbv	93
17) tert-Butyl alcohol	4.29	59	985397	8.840	ppbv	99
18) 1,1-Dichloroethene	4.28	96	558550	8.812	ppbv	91
19) Isopropyl Alcohol	3.97	45	559657	9.111	ppbv #	1
20) Methylene Chloride	4.34	84	461565	5.023	ppbv	98
21) Allyl Chloride	4.40	41	672189	7.482	ppbv	91
22) trans-1,2-Dichloroethene	4.88	96	532751	9.226	ppbv	97
23) Vinyl Acetate	5.07	43	1671557	9.973	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1215446	8.481	ppbv	100
25) Ethyl Acetate	5.67	43	2155116	7.467	ppbv	99
26) Hexane	5.68	57	1111988	6.886	ppbv	97
27) Carbon Disulfide	4.55	76	1163386	8.852	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1359038	7.924	ppbv	98
29) Chloroform	5.75	83	1715659	8.389	ppbv	99
30) Cyclohexane	7.12	84	998660	8.019	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1062692	8.472	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	1724180	8.842	ppbv	100
34) 2-Butanone	5.24	43	988485	8.494	ppbv	98
35) Carbon Tetrachloride	7.01	117	1807497	9.031	ppbv	100
36) Benzene	6.88	78	2403918	7.965	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1218489	8.777	ppbv	98
38) Trichloroethene	7.83	130	1021004	7.730	ppbv	99
39) 1,2-Dichloropropane	7.60	63	888196	7.903	ppbv	96
40) 1,4-Dioxane	7.83	88	245583	7.596	ppbv	99
41) Tetrahydrofuran	6.04	42	479038	7.402	ppbv	99
42) Bromodichloromethane	7.78	83	1825752	8.736	ppbv	95
43) Methyl Methacrylate	8.00	69	903831	8.825	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3879810	7.777	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	634271	7.842	ppbv		96
46) cis-1,3-Dichloropropene	8.69	75	906271	7.783	ppbv		98
47) 1,1,2-Trichloroethane	9.47	97	1028785	8.610	ppbv		98
48) Dibromochloromethane	10.29	129	1666860	9.413	ppbv		100
49) Bromoform	13.03	173	1423617	10.722	ppbv		98
50) 4-Methyl-2-Pentanone	8.74	43	1513289	8.492	ppbv		98
51) 2-Hexanone	10.13	43	786440	9.707	ppbv	#	96
52) Tetrachloroethene	11.21	164	1035862	7.969	ppbv		99
53) Toluene	9.80	91	2905950	8.156	ppbv		99
54) 1,2-Dibromoethane	10.60	107	1465852	8.834	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1192992	9.559	ppbv	#	57
57) Chlorobenzene	12.14	112	2250163	9.220	ppbv		99
58) Ethyl Benzene	12.70	91	3744918	8.819	ppbv		99
59) m/p-Xylene	12.99	91	6365849m	17.799	ppbv		
60) o-Xylene	13.68	91	2896006	8.910	ppbv		96
61) Styrene	13.52	104	1612261	9.048	ppbv		99
62) Isopropylbenzene	14.65	105	4338503	9.193	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.66	83	2159498	9.150	ppbv		100
64) n-propylbenzene	15.55	120	1195156	9.684	ppbv		99
65) tert-Butylbenzene	16.73	119	4122329	9.471	ppbv		100
66) Benzyl Chloride	16.98	91	117600	6.951	ppbv	#	99
67) sec-Butylbenzene	17.28	105	5560177	9.471	ppbv		99
69) p-Isopropyltoluene	17.64	119	4799985	9.720	ppbv		99
70) n-Butylbenzene	18.54	91	4456907	9.867	ppbv		99
71) 2-Chlorotoluene	15.44	91	3176252	9.631	ppbv		99
72) 4-Ethyltoluene	15.82	105	3776234	9.624	ppbv		99
73) 1,3,5-Trimethylbenzene	15.98	105	3321831	9.416	ppbv		98
74) 1,2,4-Trimethylbenzene	16.75	105	3598188	9.557	ppbv		95
75) 1,3-Dichlorobenzene	16.98	146	2365148	10.219	ppbv		99
76) 1,4-Dichlorobenzene	17.12	146	2298116	10.011	ppbv		99
77) 1,2-Dichlorobenzene	17.80	146	2296817	10.189	ppbv		100
78) Hexachloro-1,3-Butadiene	23.36	225	1578147	7.796	ppbv		100
79) Naphthalene	22.18	128	2972539	8.602	ppbv		99
80) Naphthalene,2-methyl-	24.96	142	679566	12.101	ppbv		97
81) 1,2,4-Trichlorobenzene	21.91	180	1784895	8.891	ppbv		98

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

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