Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073021\
Data File : VL037294.D
Acq On : 30 Jul 2021 21:13
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 30 23:17:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 3
QLast Update : Fri Jul 30 22:49:48 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Manual Integrations APPROVED
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8/2/2021 8:57:52 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1230051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3910910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3882807	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2827940	9.71	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1573526	7.680	ppbv	100
3) Chlorodifluoromethane	2.97	51	3222731	13.416	ppbv	99
4) Chloromethane	3.13	50	1140400	14.228	ppbv	99
5) Vinyl Chloride	3.24	62	1255691	14.273	ppbv	99
6) Bromomethane	3.46	94	715707	13.665	ppbv	97
7) Chloroethane	3.55	64	453354	14.396	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2202278	10.059	ppbv	98
9) Propene	2.99	41	1039481	13.551	ppbv	96
10) Heptane	8.12	43	2846433	15.243	ppbv	99
11) Trichlorofluoromethane	3.94	101	2861144	12.655	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2244475	13.959	ppbv	98
13) Ethanol	3.59	45	166555	13.587	ppbv	99
14) Bromoethene	3.73	108	958405	14.189	ppbv	100
15) Acetone	3.84	43	1634455	11.640	ppbv	99
16) 1,3-Butadiene	3.31	39	1168497	14.316	ppbv	99
17) tert-Butyl alcohol	4.28	59	1846750	14.403	ppbv	100
18) 1,1-Dichloroethene	4.28	96	990376	13.846	ppbv	99
19) Isopropyl Alcohol	3.96	45	1125795	13.449	ppbv	99
20) Methylene Chloride	4.34	84	1015606	11.600	ppbv	99
21) Allyl Chloride	4.41	41	1417833	13.564	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	1041797	14.592	ppbv	98
23) Vinyl Acetate	5.07	43	2479884	12.738	ppbv	99
24) 1,1-Dichloroethane	5.01	63	2001946	12.784	ppbv	99
25) Ethyl Acetate	5.67	43	4535673	14.825	ppbv	98
26) Hexane	5.68	57	2343785	14.931	ppbv	99
27) Carbon Disulfide	4.54	76	2378687	16.060	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2101329	11.932	ppbv	99
29) Chloroform	5.75	83	3372133	14.317	ppbv	98
30) Cyclohexane	7.13	84	1928439	15.023	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	2110225	14.959	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	3446168	13.724	ppbv	100
34) 2-Butanone	5.24	43	1987239	13.074	ppbv	99
35) Carbon Tetrachloride	7.02	117	3661286	14.086	ppbv	98
36) Benzene	6.89	78	4582427	14.443	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2484193	13.668	ppbv	99
38) Trichloroethene	7.83	130	1968897	12.998	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1738289	14.805	ppbv	98
40) 1,4-Dioxane	7.83	88	459797	14.376	ppbv	98
41) Tetrahydrofuran	6.04	42	1049913	14.860	ppbv	99
42) Bromodichloromethane	7.79	83	3631287	14.471	ppbv	98
43) Methyl Methacrylate	8.01	69	1693020	15.525	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7302854	13.708	ppbv		100
45) t-1,3-Dichloropropene	9.28	75	1692955	17.833	ppbv		100
46) cis-1,3-Dichloropropene	8.70	75	2119237	16.266	ppbv		98
47) 1,1,2-Trichloroethane	9.48	97	1963923	14.589	ppbv		97
48) Dibromochloromethane	10.31	129	3423317	16.184	ppbv		100
49) Bromoform	13.05	173	2950223	18.472	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	3067675	14.825	ppbv		100
51) 2-Hexanone	10.14	43	1541159	15.322	ppbv		99
52) Tetrachloroethene	11.23	164	1953220	13.226	ppbv		97
53) Toluene	9.81	91	5533804	14.565	ppbv		99
54) 1,2-Dibromoethane	10.62	107	2953036	15.292	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2347465	13.908	ppbv	#	73
57) Chlorobenzene	12.15	112	4317488	13.707	ppbv		99
58) Ethyl Benzene	12.72	91	7230489	13.583	ppbv		96
59) m/p-Xylene	13.00	91	12153742m	26.940	ppbv		
60) o-Xylene	13.70	91	5824397	13.540	ppbv		99
61) Styrene	13.53	104	3489536	15.750	ppbv		100
62) Isopropylbenzene	14.67	105	8100058	13.212	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.68	83	4096353	14.189	ppbv		99
64) n-propylbenzene	15.57	120	2275546	14.785	ppbv		92
65) tert-Butylbenzene	16.75	119	7418123	13.553	ppbv		99
66) Benzyl Chloride	16.99	91	524730	20.785	ppbv		98
67) sec-Butylbenzene	17.30	105	9833343	13.463	ppbv		98
69) p-Isopropyltoluene	17.66	119	8593583	13.920	ppbv		99
70) n-Butylbenzene	18.55	91	8195412	14.343	ppbv		98
71) 2-Chlorotoluene	15.46	91	5993836	13.960	ppbv		99
72) 4-Ethyltoluene	15.84	105	7222545	14.594	ppbv		99
73) 1,3,5-Trimethylbenzene	16.00	105	6558731	13.768	ppbv		98
74) 1,2,4-Trimethylbenzene	16.77	105	6742229	13.747	ppbv		98
75) 1,3-Dichlorobenzene	17.00	146	4406559	14.660	ppbv		99
76) 1,4-Dichlorobenzene	17.14	146	4365149	14.447	ppbv		100
77) 1,2-Dichlorobenzene	17.82	146	4200495	14.396	ppbv		99
78) Hexachloro-1,3-Butadiene	23.38	225	2779151	11.337	ppbv		100
79) Naphthalene	22.20	128	5520755	13.966	ppbv		99
80) Naphthalene,2-methyl-	24.98	142	1911858	18.532	ppbv		98
81) 1,2,4-Trichlorobenzene	21.93	180	3291932	14.216	ppbv		98

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

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