Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091621\
Data File : VL037613.D
Acq On : 16 Sep 2021 10:43
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 16 11:16:29 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 1
QLast Update : Thu Sep 16 10:46:26 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1663684	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	4778708	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.06	117	4482473	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3147088	9.88	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	714701	2.677	ppbv		98
3) Chlorodifluoromethane	2.98	51	660603	2.074	ppbv		97
4) Chloromethane	3.13	50	241097	2.118	ppbv		97
5) Vinyl Chloride	3.25	62	235143	2.016	ppbv		96
6) Bromomethane	3.46	94	134024m	2.098	ppbv		
7) Chloroethane	3.55	64	79342	1.993	ppbv		98
8) Dichlorotetrafluoroethane	3.18	85	541849	1.966	ppbv		98
9) Propene	3.00	41	229742	2.016	ppbv		99
10) Heptane	8.11	43	555046	2.116	ppbv		100
11) Trichlorofluoromethane	3.94	101	497111	1.984	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	364696	1.983	ppbv		100
13) Ethanol	3.60	45	23815m	2.147	ppbv		
14) Bromoethene	3.73	108	164177	1.967	ppbv		99
15) Acetone	3.84	43	377954m	2.232	ppbv		
16) 1,3-Butadiene	3.32	39	220774	2.033	ppbv		98
17) tert-Butyl alcohol	4.28	59	292335m	1.890	ppbv		
18) 1,1-Dichloroethene	4.28	96	174214m	2.086	ppbv		
19) Isopropyl Alcohol	3.96	45	184832m	1.905	ppbv		
20) Methylene Chloride	4.33	84	179237m	2.114	ppbv		
21) Allyl Chloride	4.40	41	270429m	1.966	ppbv		
22) trans-1,2-Dichloroethene	4.87	96	164307m	1.972	ppbv		
23) Vinyl Acetate	5.06	43	501795	2.011	ppbv	#	95
24) 1,1-Dichloroethane	5.00	63	367541m	2.031	ppbv		
25) Ethyl Acetate	5.67	43	906959	2.110	ppbv		99
26) Hexane	5.67	57	428489	2.039	ppbv		97
27) Carbon Disulfide	4.54	76	385753m	2.060	ppbv		
28) Methyl tert-Butyl Ether	5.03	73	405458	2.009	ppbv		99
29) Chloroform	5.74	83	597247	2.005	ppbv		99
30) Cyclohexane	7.12	84	332225	1.897	ppbv	#	83
31) cis-1,2-Dichloroethene	5.53	61	376253	1.978	ppbv		94
32) 1,1,1-Trichloroethane	6.50	97	571922	1.954	ppbv		98
34) 2-Butanone	5.23	43	396550	2.032	ppbv		95
35) Carbon Tetrachloride	7.00	117	575073	2.036	ppbv		98
36) Benzene	6.87	78	859577	2.140	ppbv		96
37) 1,2-Dichloroethane	6.29	62	392898	1.974	ppbv		99
38) Trichloroethene	7.82	130	352857m	2.141	ppbv		
39) 1,2-Dichloropropane	7.59	63	317711	2.058	ppbv		91
40) 1,4-Dioxane	7.83	88	78771m	2.083	ppbv		
41) Tetrahydrofuran	6.05	42	201218m	2.141	ppbv		
42) Bromodichloromethane	7.77	83	590480	2.029	ppbv	#	92
43) Methyl Methacrylate	8.00	69	280818	2.006	ppbv		97

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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	1502759	2.223	ppbv		99
45) t-1,3-Dichloropropene	9.26	75	210346	1.996	ppbv		93
46) cis-1,3-Dichloropropene	8.69	75	295909	2.013	ppbv		95
47) 1,1,2-Trichloroethane	9.45	97	359789m	2.157	ppbv		
48) Dibromochloromethane	10.28	129	519119m	2.163	ppbv		
49) Bromoform	13.02	173	407549	2.154	ppbv		98
50) 4-Methyl-2-Pentanone	8.74	43	525405	2.064	ppbv		99
51) 2-Hexanone	10.13	43	228717m	1.953	ppbv		
52) Tetrachloroethene	11.20	164	331673	2.015	ppbv		97
53) Toluene	9.78	91	994374	2.168	ppbv		99
54) 1,2-Dibromoethane	10.59	107	482151	2.071	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.11	131	396023	2.120	ppbv	#	1
57) Chlorobenzene	12.12	112	782545	2.104	ppbv		96
58) Ethyl Benzene	12.69	91	1305468	2.099	ppbv		97
59) m/p-Xylene	12.97	91	2243779m	4.161	ppbv		
60) o-Xylene	13.67	91	1087075	2.160	ppbv		99
61) Styrene	13.51	104	535506	2.048	ppbv		98
62) Isopropylbenzene	14.65	105	1503960	2.117	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.65	83	763975	2.042	ppbv		99
64) n-propylbenzene	15.54	120	373489	2.066	ppbv		77
65) tert-Butylbenzene	16.72	119	1354292	2.093	ppbv		99
66) Benzyl Chloride	16.96	91	61304m	2.095	ppbv		
67) sec-Butylbenzene	17.27	105	1870524	2.069	ppbv		96
69) p-Isopropyltoluene	17.63	119	1529958	2.077	ppbv		100
70) n-Butylbenzene	18.53	91	1429324	2.030	ppbv		99
71) 2-Chlorotoluene	15.43	91	1079435	2.072	ppbv		100
72) 4-Ethyltoluene	15.82	105	1239493	2.070	ppbv		98
73) 1,3,5-Trimethylbenzene	15.97	105	1124227	2.017	ppbv		96
74) 1,2,4-Trimethylbenzene	16.74	105	1203391	2.032	ppbv		95
75) 1,3-Dichlorobenzene	16.97	146	725898	2.036	ppbv		99
76) 1,4-Dichlorobenzene	17.11	146	717581m	1.998	ppbv		
77) 1,2-Dichlorobenzene	17.79	146	711244m	2.026	ppbv		
78) Hexachloro-1,3-Butadiene	23.35	225	621742	2.130	ppbv		99
79) Naphthalene	22.17	128	692151m	1.747	ppbv		
80) Naphthalene,2-methyl-	24.95	142	90397	0.819	ppbv		89
81) 1,2,4-Trichlorobenzene	21.90	180	461117m	1.854	ppbv		

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

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