Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061621\
Data File : VL037166.D
Acq On : 16 Jun 2021 10:42
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 16 12:21:38 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 : VSTDICC001

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1548169	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	4615895	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	4183478	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	3092960	10.04	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	312909	1.269	ppbv		98
3) Chlorodifluoromethane	2.99	51	328904	1.132	ppbv		98
4) Chloromethane	3.14	50	101982	1.031	ppbv		95
5) Vinyl Chloride	3.26	62	108756	1.136	ppbv		96
6) Bromomethane	3.48	94	64828	1.065	ppbv		89
7) Chloroethane	3.56	64	39194	1.049	ppbv		100
8) Dichlorotetrafluoroethane	3.19	85	299681	1.138	ppbv		99
9) Propene	3.02	41	106556m	1.112	ppbv		
10) Heptane	8.13	43	237968	1.042	ppbv		98
11) Trichlorofluoromethane	3.95	101	299204	1.070	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	208929	1.089	ppbv		99
13) Ethanol	3.63	45	15008m	1.134	ppbv		
14) Bromoethene	3.74	108	88541m	1.066	ppbv		
15) Acetone	3.87	43	189615	1.024	ppbv	#	77
16) 1,3-Butadiene	3.33	39	106816m	1.068	ppbv		
17) tert-Butyl alcohol	4.32	59	151411	0.944	ppbv	#	94
18) 1,1-Dichloroethene	4.29	96	87407	1.010	ppbv		95
19) Isopropyl Alcohol	3.99	45	116581m	1.147	ppbv		
20) Methylene Chloride	4.35	84	123626m	1.531	ppbv		
21) Allyl Chloride	4.42	41	135408m	1.094	ppbv		
22) trans-1,2-Dichloroethene	4.89	96	89751m	1.064	ppbv		
23) Vinyl Acetate	5.08	43	260309m	1.070	ppbv		
24) 1,1-Dichloroethane	5.02	63	201674	1.033	ppbv		99
25) Ethyl Acetate	5.69	43	407529	1.123	ppbv		98
26) Hexane	5.69	57	206647	1.145	ppbv		93
27) Carbon Disulfide	4.56	76	175157	0.957	ppbv		95
28) Methyl tert-Butyl Ether	5.05	73	241517	1.068	ppbv		99
29) Chloroform	5.75	83	304674	1.045	ppbv		94
30) Cyclohexane	7.14	84	167905	1.067	ppbv		93
31) cis-1,2-Dichloroethene	5.56	61	177420m	1.020	ppbv		
32) 1,1,1-Trichloroethane	6.52	97	294702	1.101	ppbv		96
34) 2-Butanone	5.26	43	206901m	1.193	ppbv		
35) Carbon Tetrachloride	7.02	117	311901	1.099	ppbv		97
36) Benzene	6.90	78	380444	1.039	ppbv		95
37) 1,2-Dichloroethane	6.31	62	217827	1.024	ppbv		98
38) Trichloroethene	7.84	130	162494	1.027	ppbv		96
39) 1,2-Dichloropropane	7.62	63	151372m	1.082	ppbv		
40) 1,4-Dioxane	7.87	88	43501m	1.111	ppbv		
41) Tetrahydrofuran	6.08	42	84354m	1.000	ppbv		
42) Bromodichloromethane	7.80	83	293511	1.002	ppbv		95
43) Methyl Methacrylate	8.03	69	129657m	1.032	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	671795	1.096	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	89466	0.790	ppbv		98
46) cis-1,3-Dichloropropene	8.71	75	140632	0.931	ppbv		97
47) 1,1,2-Trichloroethane	9.48	97	163587	1.031	ppbv		94
48) Dibromochloromethane	10.31	129	238998	0.934	ppbv		99
49) Bromoform	13.05	173	164463	0.823	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	237466	0.931	ppbv		97
51) 2-Hexanone	10.18	43	117555m	0.924	ppbv		
52) Tetrachloroethene	11.23	164	164032	1.083	ppbv		96
53) Toluene	9.82	91	458752	1.054	ppbv		99
54) 1,2-Dibromoethane	10.62	107	221235	0.953	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.13	131	189638m	1.039	ppbv		
57) Chlorobenzene	12.15	112	369744	1.103	ppbv		95
58) Ethyl Benzene	12.72	91	614922	1.085	ppbv		90
59) m/p-Xylene	13.00	91	1041420m	2.163	ppbv		
60) o-Xylene	13.70	91	502798	1.087	ppbv		100
61) Styrene	13.54	104	240606m	0.987	ppbv		
62) Isopropylbenzene	14.68	105	713114	1.082	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.69	83	311937	1.038	ppbv		94
64) n-propylbenzene	15.57	120	173362	1.031	ppbv		76
65) tert-Butylbenzene	16.75	119	645051	1.080	ppbv		97
66) Benzyl Chloride	17.00	91	22984m	0.882	ppbv		
67) sec-Butylbenzene	17.30	105	831713	1.048	ppbv		98
69) p-Isopropyltoluene	17.66	119	708496	1.068	ppbv		99
70) n-Butylbenzene	18.56	91	637427	1.050	ppbv		99
71) 2-Chlorotoluene	15.46	91	493487	1.050	ppbv		99
72) 4-Ethyltoluene	15.85	105	549673	1.023	ppbv		98
73) 1,3,5-Trimethylbenzene	16.00	105	559160m	1.098	ppbv		
74) 1,2,4-Trimethylbenzene	16.77	105	572609	1.105	ppbv		91
75) 1,3-Dichlorobenzene	17.00	146	339280m	1.063	ppbv		
76) 1,4-Dichlorobenzene	17.15	146	341709m	1.078	ppbv		
77) 1,2-Dichlorobenzene	17.83	146	337204m	1.071	ppbv		
78) Hexachloro-1,3-Butadiene	23.39	225	296949m	1.331	ppbv		
79) Naphthalene	22.21	128	399135	1.279	ppbv		99
80) Naphthalene,2-methyl-	24.99	142	80116	1.061	ppbv	#	90
81) 1,2,4-Trichlorobenzene	21.94	180	258429m	1.302	ppbv		

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

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