Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091621\
Data File : VL037610.D
Acq On : 16 Sep 2021 8:47
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 16 11:12:12 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 : VSTDICC001

Manual Integrations APPROVED
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9/20/2021 5:26:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1677289	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	4810758	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	4393910	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3171844	10.16	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	274663	1.021	ppbv		94
3) Chlorodifluoromethane	2.98	51	325570	1.014	ppbv		98
4) Chloromethane	3.13	50	116107	1.012	ppbv		88
5) Vinyl Chloride	3.25	62	109659	0.933	ppbv	#	78
6) Bromomethane	3.47	94	62136m	0.965	ppbv		
7) Chloroethane	3.55	64	41766m	1.041	ppbv		
8) Dichlorotetrafluoroethane	3.18	85	274663	0.989	ppbv		99
9) Propene	3.00	41	109487m	0.953	ppbv		
10) Heptane	8.11	43	257037m	0.972	ppbv		
11) Trichlorofluoromethane	3.94	101	249879	0.989	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	184556	0.996	ppbv		99
13) Ethanol	3.61	45	11004m	0.984	ppbv		
14) Bromoethene	3.74	108	84562m	1.005	ppbv		
15) Acetone	3.85	43	198482m	1.163	ppbv		
16) 1,3-Butadiene	3.32	39	101715	0.929	ppbv		92
17) tert-Butyl alcohol	4.29	59	148702m	0.954	ppbv		
18) 1,1-Dichloroethene	4.29	96	84395m	1.002	ppbv		
19) Isopropyl Alcohol	3.97	45	104445m	1.068	ppbv		
20) Methylene Chloride	4.33	84	92961m	1.088	ppbv		
21) Allyl Chloride	4.40	41	124303m	0.897	ppbv		
22) trans-1,2-Dichloroethene	4.87	96	85211m	1.014	ppbv		
23) Vinyl Acetate	5.07	43	203920	0.810	ppbv	#	93
24) 1,1-Dichloroethane	5.00	63	176686m	0.968	ppbv		
25) Ethyl Acetate	5.67	43	415128	0.958	ppbv	#	97
26) Hexane	5.68	57	197824	0.934	ppbv		91
27) Carbon Disulfide	4.54	76	174502m	0.924	ppbv		
28) Methyl tert-Butyl Ether	5.03	73	168393m	0.828	ppbv		
29) Chloroform	5.74	83	302891m	1.009	ppbv		
30) Cyclohexane	7.12	84	168512m	0.955	ppbv		
31) cis-1,2-Dichloroethene	5.54	61	171013	0.892	ppbv		91
32) 1,1,1-Trichloroethane	6.50	97	265850	0.901	ppbv		97
34) 2-Butanone	5.24	43	207175m	1.055	ppbv		
35) Carbon Tetrachloride	7.01	117	267958	0.942	ppbv		96
36) Benzene	6.88	78	401127	0.992	ppbv		96
37) 1,2-Dichloroethane	6.29	62	194540	0.971	ppbv		100
38) Trichloroethene	7.82	130	164780m	0.993	ppbv		
39) 1,2-Dichloropropane	7.59	63	157382m	1.013	ppbv		
40) 1,4-Dioxane	7.85	88	40783m	1.071	ppbv		
41) Tetrahydrofuran	6.06	42	82205m	0.869	ppbv		
42) Bromodichloromethane	7.77	83	267608	0.914	ppbv	#	95
43) Methyl Methacrylate	8.01	69	121586m	0.863	ppbv		

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Instrument :
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Quant Time: Sep 16 11:12:12 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
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	690676	1.015	ppbv		98
45) t-1,3-Dichloropropene	9.26	75	86920m	0.819	ppbv		
46) cis-1,3-Dichloropropene	8.69	75	121353m	0.820	ppbv		
47) 1,1,2-Trichloroethane	9.46	97	174361m	1.038	ppbv		
48) Dibromochloromethane	10.29	129	216660	0.897	ppbv		95
49) Bromoform	13.02	173	169132	0.888	ppbv		98
50) 4-Methyl-2-Pentanone	8.74	43	233877	0.913	ppbv		98
51) 2-Hexanone	10.14	43	96914m	0.822	ppbv		
52) Tetrachloroethene	11.21	164	152919m	0.923	ppbv		
53) Toluene	9.79	91	432348	0.936	ppbv		98
54) 1,2-Dibromoethane	10.59	107	230885m	0.985	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.10	131	188274m	1.028	ppbv		
57) Chlorobenzene	12.12	112	379859	1.042	ppbv	#	89
58) Ethyl Benzene	12.70	91	580252m	0.952	ppbv		
59) m/p-Xylene	12.98	91	1037359m	1.962	ppbv		
60) o-Xylene	13.67	91	495724	1.005	ppbv		98
61) Styrene	13.51	104	206887	0.807	ppbv		96
62) Isopropylbenzene	14.64	105	701354	1.007	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.66	83	387551m	1.057	ppbv		
64) n-propylbenzene	15.55	120	177303m	1.001	ppbv		
65) tert-Butylbenzene	16.72	119	654855	1.033	ppbv		99
66) Benzyl Chloride	16.97	91	28145m	0.981	ppbv		
67) sec-Butylbenzene	17.27	105	871717	0.984	ppbv		97
69) p-Isopropyltoluene	17.63	119	695050	0.963	ppbv		98
70) n-Butylbenzene	18.53	91	636348	0.922	ppbv		99
71) 2-Chlorotoluene	15.43	91	480107	0.940	ppbv		100
72) 4-Ethyltoluene	15.82	105	546471	0.931	ppbv		98
73) 1,3,5-Trimethylbenzene	15.97	105	522197m	0.956	ppbv		
74) 1,2,4-Trimethylbenzene	16.74	105	561461	0.967	ppbv		93
75) 1,3-Dichlorobenzene	16.97	146	334342	0.957	ppbv		95
76) 1,4-Dichlorobenzene	17.11	146	338630m	0.962	ppbv		
77) 1,2-Dichlorobenzene	17.79	146	315738	0.918	ppbv		97
78) Hexachloro-1,3-Butadiene	23.35	225	298726m	1.044	ppbv		
79) Naphthalene	22.18	128	307436m	0.791	ppbv		
80) Naphthalene,2-methyl-	24.95	142	68758	0.635	ppbv		88
81) 1,2,4-Trichlorobenzene	21.90	180	215095m	0.882	ppbv		

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

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