Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
Data File : VL034377.D
Acq On : 19 Nov 2019 11:46
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
11/20/2019 3:53:20 PM

Quant Time: Nov 20 03:53:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 1
QLast Update : Tue Nov 19 12:55:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1040914	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.20	114	2109577	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.14	117	2079378	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.47	95	1778642	10.10	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	127080	0.708	ppbv		89
3) Chlorodifluoromethane	2.96	51	68444	0.561	ppbv		96
4) Chloromethane	3.11	50	41525	0.575	ppbv	#	86
5) Vinyl Chloride	3.23	62	35685	0.519	ppbv		99
6) Bromomethane	3.45	94	19707	0.585	ppbv		97
7) Chloroethane	3.53	64	12727m	0.525	ppbv		
8) Dichlorotetrafluoroethane	3.16	85	93055	0.598	ppbv		99
9) Propene	2.98	41	31816	0.588	ppbv		99
10) Heptane	8.16	43	76703	0.553	ppbv		96
11) Trichlorofluoromethane	3.94	101	103333	0.606	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.48	101	70204	0.629	ppbv		90
13) Ethanol	3.59	45	9900m	0.818	ppbv		
14) Bromoethene	3.73	108	26829	0.610	ppbv		99
15) Acetone	3.84	43	87907	0.590	ppbv		99
16) 1,3-Butadiene	3.30	39	34531	0.571	ppbv		99
17) tert-Butyl alcohol	4.30	59	65295	0.687	ppbv		97
18) 1,1-Dichloroethene	4.28	96	29373	0.601	ppbv		86
19) Isopropyl Alcohol	3.96	45	63201m	0.761	ppbv		
20) Methylene Chloride	4.34	84	30968	0.575	ppbv		82
21) Allyl Chloride	4.41	41	44593	0.542	ppbv		94
22) trans-1,2-Dichloroethene	4.89	96	29812m	0.612	ppbv		
23) Vinyl Acetate	5.08	43	96591	0.519	ppbv	#	94
24) 1,1-Dichloroethane	5.01	63	81774	0.593	ppbv		98
25) Ethyl Acetate	5.69	43	144310	0.574	ppbv		99
26) Hexane	5.69	57	60946	0.569	ppbv		95
27) Carbon Disulfide	4.55	76	55383	0.498	ppbv	#	85
28) Methyl tert-Butyl Ether	5.04	73	97909	0.604	ppbv		99
29) Chloroform	5.76	83	101934	0.601	ppbv		90
30) Cyclohexane	7.16	84	42594m	0.541	ppbv		
31) cis-1,2-Dichloroethene	5.56	61	60631	0.558	ppbv		90
32) 1,1,1-Trichloroethane	6.53	97	85791	0.521	ppbv		94
34) 2-Butanone	5.26	43	91854	0.533	ppbv		98
35) Carbon Tetrachloride	7.04	117	92029m	0.501	ppbv		
36) Benzene	6.92	78	105155	0.520	ppbv		92
37) 1,2-Dichloroethane	6.32	62	83337	0.552	ppbv		99
38) Trichloroethene	7.87	130	43187m	0.532	ppbv		
39) 1,2-Dichloropropane	7.64	63	47446m	0.544	ppbv		
40) 1,4-Dioxane	7.89	88	18296m	0.597	ppbv		
41) Tetrahydrofuran	6.09	42	49525m	0.518	ppbv		
42) Bromodichloromethane	7.82	83	98359m	0.532	ppbv		
43) Methyl Methacrylate	8.04	69	44254m	0.529	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	199794	0.533 ppbv		98
45) t-1,3-Dichloropropene	9.31	75	49106m	0.481 ppbv		
46) cis-1,3-Dichloropropene	8.74	75	56660m	0.484 ppbv		
47) 1,1,2-Trichloroethane	9.52	97	47462m	0.538 ppbv		
48) Dibromochloromethane	10.35	129	72256m	0.499 ppbv		
49) Bromoform	13.10	173	63680m	0.496 ppbv		
50) 4-Methyl-2-Pentanone	8.78	43	128225m	0.519 ppbv		
51) 2-Hexanone	10.19	43	101385m	0.501 ppbv		
52) Tetrachloroethene	11.26	164	46419m	0.585 ppbv		
53) Toluene	9.84	91	117029	0.524 ppbv		98
54) 1,2-Dibromoethane	10.66	107	71290m	0.545 ppbv		
56) 1,1,1,2-Tetrachloroethane	12.18	131	52086	0.544 ppbv	#	1
57) Chlorobenzene	12.19	112	105538	0.608 ppbv	#	95
58) Ethyl Benzene	12.76	91	166859	0.574 ppbv		89
59) m/p-Xylene	13.04	91	297819m	1.183 ppbv		
60) o-Xylene	13.75	91	150055m	0.598 ppbv		
61) Styrene	13.58	104	98578	0.558 ppbv		98
62) Isopropylbenzene	14.73	105	195393	0.590 ppbv		95
63) 1,1,2,2-Tetrachloroethane	13.73	83	109754	0.545 ppbv		98
64) n-propylbenzene	15.61	120	51305m	0.604 ppbv		
65) tert-Butylbenzene	16.81	119	172796	0.589 ppbv		97
66) Benzyl Chloride	17.05	91	52665m	0.454 ppbv		
67) sec-Butylbenzene	17.36	105	251746m	0.610 ppbv		
69) p-Isopropyltoluene	17.72	119	199774m	0.593 ppbv		
70) n-Butylbenzene	18.62	91	214213	0.585 ppbv		96
71) 2-Chlorotoluene	15.51	91	151880m	0.592 ppbv		
72) 4-Ethyltoluene	15.90	105	166750	0.592 ppbv		96
73) 1,3,5-Trimethylbenzene	16.05	105	167183m	0.599 ppbv		
74) 1,2,4-Trimethylbenzene	16.82	105	183003m	0.628 ppbv		
75) 1,3-Dichlorobenzene	17.07	146	109794m	0.628 ppbv		
76) 1,4-Dichlorobenzene	17.21	146	101534m	0.594 ppbv		
77) 1,2-Dichlorobenzene	17.89	146	100707m	0.587 ppbv		
78) Hexachloro-1,3-Butadiene	23.45	225	87248m	0.615 ppbv		
79) Naphthalene	22.30	128	145796m	0.685 ppbv		
80) Naphthalene,2-methyl-	25.04	142	47898	0.779 ppbv		97
81) 1,2,4-Trichlorobenzene	22.02	180	93149m	0.670 ppbv		

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

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