Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020419\
Data File : VL033153.D
Acq On : 4 Feb 2019 11:57
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
2/5/2019 10:27:16 AM

Quant Time: Feb 04 12:43:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 0
QLast Update : Fri Feb 01 22:01:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1201371	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3421014	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3414295	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2653395	10.29	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	113800	0.632	ppbv		97
3) Chlorodifluoromethane	3.01	51	74048	0.383	ppbv		99
4) Chloromethane	3.17	50	41309	0.371	ppbv		93
5) Vinyl Chloride	3.29	62	38124	0.313	ppbv		98
6) Bromomethane	3.51	94	23306m	0.435	ppbv		
7) Chloroethane	3.60	64	14152	0.431	ppbv		93
8) Dichlorotetrafluoroethane	3.22	85	95704	0.430	ppbv		97
9) Propene	3.03	41	38244	0.387	ppbv		98
10) Heptane	8.25	43	121964	0.663	ppbv		99
11) Trichlorofluoromethane	4.00	101	98301	0.518	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	62520	0.518	ppbv		98
13) Ethanol	3.65	45	18224m	0.652	ppbv		
14) Bromoethene	3.79	108	27996	0.459	ppbv		97
15) Acetone	3.91	43	87658	0.576	ppbv		94
16) 1,3-Butadiene	3.36	39	31197	0.427	ppbv		90
17) tert-Butyl alcohol	4.37	59	19115m	0.521	ppbv		
18) 1,1-Dichloroethene	4.35	96	28777	0.494	ppbv		81
19) Isopropyl Alcohol	4.04	45	60921	0.523	ppbv	#	47
20) Methylene Chloride	4.41	84	30519	0.518	ppbv		93
21) Allyl Chloride	4.48	41	47775m	0.488	ppbv		
22) trans-1,2-Dichloroethene	4.96	96	28904m	0.532	ppbv		
23) Vinyl Acetate	5.16	43	121806	0.461	ppbv	#	93
24) 1,1-Dichloroethane	5.09	63	88430	0.501	ppbv		99
25) Ethyl Acetate	5.77	43	158806	0.487	ppbv		99
26) Hexane	5.78	57	75951	0.476	ppbv		98
27) Carbon Disulfide	4.62	76	59377	0.460	ppbv	#	83
28) Methyl tert-Butyl Ether	5.12	73	107237	0.467	ppbv		99
29) Chloroform	5.84	83	104179	0.483	ppbv		94
30) Cyclohexane	7.24	84	74761	0.604	ppbv		93
31) cis-1,2-Dichloroethene	5.64	61	69319	0.475	ppbv		92
32) 1,1,1-Trichloroethane	6.62	97	97938	0.440	ppbv	#	82
34) 2-Butanone	5.33	43	109917	0.420	ppbv		97
35) Carbon Tetrachloride	7.13	117	112337	0.438	ppbv		93
36) Benzene	7.00	78	186843	0.487	ppbv		98
37) 1,2-Dichloroethane	6.41	62	81421	0.417	ppbv		99
38) Trichloroethene	7.95	130	67499	0.437	ppbv		93
39) 1,2-Dichloropropane	7.73	63	69792m	0.496	ppbv		
40) 1,4-Dioxane	7.98	88	30305m	0.612	ppbv		
41) Tetrahydrofuran	6.17	42	62420	0.397	ppbv		98
42) Bromodichloromethane	7.91	83	129911	0.467	ppbv		95
43) Methyl Methacrylate	8.14	69	70394m	0.524	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	319298m	0.516 ppbv		
45) t-1,3-Dichloropropene	9.42	75	68041	0.419 ppbv		90
46) cis-1,3-Dichloropropene	8.83	75	90648	0.466 ppbv		91
47) 1,1,2-Trichloroethane	9.61	97	68201	0.532 ppbv	#	91
48) Dibromochloromethane	10.45	129	90826	0.425 ppbv		100
49) Bromoform	13.20	173	73230m	0.413 ppbv		
50) 4-Methyl-2-Pentanone	8.88	43	201907	0.594 ppbv		98
51) 2-Hexanone	10.29	43	166693m	0.551 ppbv		
52) Tetrachloroethene	11.37	164	62648	0.430 ppbv		91
53) Toluene	9.95	91	198246	0.451 ppbv		100
54) 1,2-Dibromoethane	10.75	107	102931	0.427 ppbv		91
56) 1,1,1,2-Tetrachloroethane	12.28	131	78568	0.517 ppbv	#	1
57) Chlorobenzene	12.30	112	157862	0.525 ppbv	#	91
58) Ethyl Benzene	12.86	91	295033	0.527 ppbv		95
59) m/p-Xylene	13.14	91	489754m	1.072 ppbv		
60) o-Xylene	13.85	91	238428	0.540 ppbv		97
61) Styrene	13.69	104	170759	0.504 ppbv		97
62) Isopropylbenzene	14.82	105	344047	0.548 ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.83	83	172799	0.518 ppbv		99
64) n-propylbenzene	15.72	120	86909	0.540 ppbv		84
65) tert-Butylbenzene	16.91	119	304972	0.577 ppbv		94
66) Benzyl Chloride	17.16	91	87575m	0.370 ppbv		
67) sec-Butylbenzene	17.46	105	429078	0.572 ppbv		100
69) p-Isopropyltoluene	17.82	119	357155	0.604 ppbv		97
70) n-Butylbenzene	18.72	91	403296	0.670 ppbv		96
71) 2-Chlorotoluene	15.61	91	266380	0.557 ppbv		98
72) 4-Ethyltoluene	16.00	105	273728	0.553 ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	267977	0.600 ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	280867	0.639 ppbv	#	92
75) 1,3-Dichlorobenzene	17.17	146	154312	0.589 ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	155011m	0.593 ppbv		
77) 1,2-Dichlorobenzene	17.98	146	153796	0.609 ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	69492m	0.594 ppbv		
79) Naphthalene	22.42	128	334319m	1.159 ppbv		
80) Naphthalene,2-methyl-	25.12	142	171986	2.022 ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	150067	0.989 ppbv		100

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

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