Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032434.D
Acq On : 31 Aug 2018 2:28
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 31 21:25:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 3
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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9/4/2018 8:25:39 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.81	49	2091157	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.34	114	4092466	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.29	117	3887640	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.63	95	2922205	10.08	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.11	85	154726	0.83	ppbv		98
3) Chlorodifluoromethane	3.04	51	99440	0.55	ppbv		99
4) Chloromethane	3.20	50	60366	0.54	ppbv	#	86
5) Vinyl Chloride	3.33	62	55212	0.56	ppbv		93
6) Bromomethane	3.55	94	30094	0.50	ppbv		97
7) Chloroethane	3.63	64	20580	0.53	ppbv	#	77
8) Dichlorotetrafluoroethane	3.25	85	129884	0.56	ppbv		99
9) Propene	3.07	41	33909	0.47	ppbv		97
10) Heptane	8.30	43	115799	0.45	ppbv		98
11) Trichlorofluoromethane	4.04	101	130693	0.56	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.59	101	89216	0.57	ppbv		99
13) Ethanol	3.70	45	13477m	0.58	ppbv		
14) Bromoethene	3.82	108	34920	0.51	ppbv	#	94
15) Acetone	3.95	43	101548	0.51	ppbv		98
16) 1,3-Butadiene	3.40	39	46361m	0.56	ppbv		
17) tert-Butyl alcohol	4.43	59	16212m	0.50	ppbv		
18) 1,1-Dichloroethene	4.39	96	39920	0.55	ppbv		92
19) Isopropyl Alcohol	4.09	45	66575m	0.53	ppbv		
20) Methylene Chloride	4.45	84	41482	0.56	ppbv		91
21) Allyl Chloride	4.52	41	60039	0.48	ppbv		95
22) trans-1,2-Dichloroethene	5.01	96	44361	0.57	ppbv		96
23) Vinyl Acetate	5.20	43	136330	0.44	ppbv	#	93
24) 1,1-Dichloroethane	5.13	63	136533m	0.55	ppbv		
25) Ethyl Acetate	5.82	43	230007	0.55	ppbv		99
26) Hexane	5.83	57	95812	0.51	ppbv		85
27) Carbon Disulfide	4.67	76	87151	0.48	ppbv	#	85
28) Methyl tert-Butyl Ether	5.17	73	109879	0.47	ppbv		98
29) Chloroform	5.89	83	161713	0.55	ppbv		99
30) Cyclohexane	7.31	84	68305m	0.49	ppbv		
31) cis-1,2-Dichloroethene	5.68	61	80597	0.47	ppbv	#	87
32) 1,1,1-Trichloroethane	6.67	97	142877	0.57	ppbv		98
34) 2-Butanone	5.39	43	132960	0.51	ppbv		96
35) Carbon Tetrachloride	7.18	117	140569	0.55	ppbv		94
36) Benzene	7.05	78	162634	0.48	ppbv		97
37) 1,2-Dichloroethane	6.46	62	111592	0.53	ppbv		97
38) Trichloroethene	8.01	130	57809	0.51	ppbv		97
39) 1,2-Dichloropropane	7.78	63	76996	0.54	ppbv		96
40) 1,4-Dioxane	8.05	88	22103m	0.52	ppbv		
41) Tetrahydrofuran	6.22	42	61625	0.44	ppbv		97
42) Bromodichloromethane	7.96	83	149629m	0.52	ppbv		
43) Methyl Methacrylate	8.19	69	57706	0.41	ppbv		88

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	306181	0.48	ppbv	#	91
45) t-1,3-Dichloropropene	9.47	75	54444	0.33	ppbv		97
46) cis-1,3-Dichloropropene	8.88	75	77125	0.38	ppbv		90
47) 1,1,2-Trichloroethane	9.67	97	78659	0.52	ppbv		97
48) Dibromochloromethane	10.50	129	104624	0.49	ppbv		96
49) Bromoform	13.25	173	89307m	0.47	ppbv		
50) 4-Methyl-2-Pentanone	8.94	43	178122	0.44	ppbv		96
51) 2-Hexanone	10.34	43	93462	0.35	ppbv	#	92
52) Tetrachloroethene	11.43	164	52859m	0.54	ppbv		
53) Toluene	10.00	91	135388m	0.38	ppbv		
54) 1,2-Dibromoethane	10.81	107	100541	0.46	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.33	131	98776m	0.59	ppbv		
57) Chlorobenzene	12.35	112	171525	0.58	ppbv	#	94
58) Ethyl Benzene	12.92	91	185646m	0.42	ppbv		
59) m/p-Xylene	13.20	91	389073m	0.99	ppbv		
60) o-Xylene	13.90	91	178517	0.47	ppbv		100
61) Styrene	13.74	104	91097m	0.36	ppbv		
62) Isopropylbenzene	14.88	105	266953	0.50	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.89	83	199815	0.60	ppbv		98
64) n-propylbenzene	15.78	120	67890m	0.48	ppbv		
65) tert-Butylbenzene	16.96	119	228638	0.50	ppbv		95
66) Benzyl Chloride	17.21	91	123047m	0.43	ppbv		
67) sec-Butylbenzene	17.52	105	348993	0.51	ppbv		100
69) p-Isopropyltoluene	17.87	119	252205m	0.48	ppbv		
70) n-Butylbenzene	18.77	91	289645	0.50	ppbv		97
71) 2-Chlorotoluene	15.67	91	187849	0.46	ppbv		98
72) 4-Ethyltoluene	16.05	105	174437	0.42	ppbv	#	94
73) 1,3,5-Trimethylbenzene	16.21	105	193086	0.49	ppbv		92
74) 1,2,4-Trimethylbenzene	16.98	105	242114	0.57	ppbv		97
75) 1,3-Dichlorobenzene	17.22	146	164206	0.60	ppbv		99
76) 1,4-Dichlorobenzene	17.36	146	133821	0.54	ppbv		99
77) 1,2-Dichlorobenzene	18.04	146	141385	0.54	ppbv		97
78) Hexachloro-1,3-Butadiene	23.59	225	63243m	0.56	ppbv		
79) Naphthalene	22.48	128	148476	0.52	ppbv	#	87
80) Naphthalene,2-methyl-	25.16	142	22112	0.30	ppbv		92
81) 1,2,4-Trichlorobenzene	22.20	180	87976m	0.57	ppbv		

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

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