Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070219\
Data File : VL033992.D
Acq On : 2 Jul 2019 15:36
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 19:33:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 0
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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7/3/2019 11:03:31 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.73	49	1094816	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.26	114	2894061	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.20	117	2742008	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.54	95	2227084	9.89	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	146969	0.827	ppbv		91
3) Chlorodifluoromethane	3.00	51	78121	0.606	ppbv		100
4) Chloromethane	3.16	50	44966	0.612	ppbv	#	88
5) Vinyl Chloride	3.27	62	42845	0.628	ppbv		93
6) Bromomethane	3.50	94	26335	0.581	ppbv		82
7) Chloroethane	3.58	64	16437	0.609	ppbv		94
8) Dichlorotetrafluoroethane	3.20	85	122206	0.644	ppbv		100
9) Propene	3.02	41	26658m	0.553	ppbv		
10) Heptane	8.22	43	53657m	0.440	ppbv		
11) Trichlorofluoromethane	3.98	101	132975	0.580	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.53	101	90152	0.582	ppbv		97
13) Ethanol	3.64	45	8474m	0.540	ppbv		
14) Bromoethene	3.77	108	32443	0.562	ppbv	#	91
15) Acetone	3.89	43	101547	0.636	ppbv		95
16) 1,3-Butadiene	3.35	39	32185	0.530	ppbv		95
17) tert-Butyl alcohol	4.35	59	66363	0.532	ppbv	#	92
18) 1,1-Dichloroethene	4.33	96	39959	0.611	ppbv		85
19) Isopropyl Alcohol	4.03	45	65160m	0.714	ppbv		
20) Methylene Chloride	4.38	84	44896m	0.721	ppbv		
21) Allyl Chloride	4.45	41	52446	0.578	ppbv		95
22) trans-1,2-Dichloroethene	4.94	96	39622	0.574	ppbv		88
23) Vinyl Acetate	5.13	43	72098	0.388	ppbv	#	91
24) 1,1-Dichloroethane	5.06	63	85396	0.592	ppbv	#	96
25) Ethyl Acetate	5.75	43	119831	0.493	ppbv		98
26) Hexane	5.75	57	52808	0.477	ppbv		90
27) Carbon Disulfide	4.60	76	86736	0.564	ppbv	#	83
28) Methyl tert-Butyl Ether	5.10	73	88813	0.530	ppbv		100
29) Chloroform	5.82	83	116159	0.613	ppbv		88
30) Cyclohexane	7.22	84	38920m	0.498	ppbv		
31) cis-1,2-Dichloroethene	5.61	61	50313m	0.518	ppbv		
32) 1,1,1-Trichloroethane	6.59	97	101699	0.556	ppbv		98
34) 2-Butanone	5.31	43	66803	0.409	ppbv		96
35) Carbon Tetrachloride	7.10	117	109865m	0.491	ppbv		
36) Benzene	6.97	78	99893	0.452	ppbv	#	92
37) 1,2-Dichloroethane	6.38	62	83500	0.511	ppbv	#	97
38) Trichloroethene	7.93	130	45952m	0.534	ppbv		
39) 1,2-Dichloropropane	7.71	63	37757	0.443	ppbv	#	88
40) 1,4-Dioxane	7.97	88	20103m	0.578	ppbv		
41) Tetrahydrofuran	6.14	42	29489m	0.356	ppbv		
42) Bromodichloromethane	7.89	83	107154	0.490	ppbv		90
43) Methyl Methacrylate	8.11	69	34033m	0.412	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	169305m	0.431	ppbv		
45) t-1,3-Dichloropropene	9.38	75	39573m	0.365	ppbv		
46) cis-1,3-Dichloropropene	8.80	75	48215m	0.388	ppbv		
47) 1,1,2-Trichloroethane	9.58	97	51106m	0.502	ppbv		
48) Dibromochloromethane	10.42	129	117419	0.642	ppbv		97
49) Bromoform	13.16	173	73870m	0.458	ppbv		
50) 4-Methyl-2-Pentanone	8.86	43	89690m	0.368	ppbv		
51) 2-Hexanone	10.26	43	85628m	0.450	ppbv		
52) Tetrachloroethene	11.34	164	44860m	0.577	ppbv		
53) Toluene	9.91	91	91753	0.375	ppbv		94
54) 1,2-Dibromoethane	10.72	107	66286	0.432	ppbv		86
56) 1,1,1,2-Tetrachloroethane	12.25	131	62389	0.521	ppbv	#	1
57) Chlorobenzene	12.26	112	114132m	0.556	ppbv		
58) Ethyl Benzene	12.83	91	124140	0.402	ppbv		90
59) m/p-Xylene	13.11	91	256564m	0.913	ppbv		
60) o-Xylene	13.81	91	127079	0.438	ppbv		97
61) Styrene	13.65	104	71032m	0.378	ppbv		
62) Isopropylbenzene	14.79	105	183018m	0.468	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.79	83	116208m	0.532	ppbv		
64) n-propylbenzene	15.69	120	45865m	0.458	ppbv		
65) tert-Butylbenzene	16.88	119	158635	0.438	ppbv		95
66) Benzyl Chloride	17.11	91	80166m	0.437	ppbv		
67) sec-Butylbenzene	17.42	105	226159	0.445	ppbv		99
69) p-Isopropyltoluene	17.78	119	181934	0.431	ppbv		98
70) n-Butylbenzene	18.68	91	195721m	0.423	ppbv		
71) 2-Chlorotoluene	15.58	91	119999m	0.416	ppbv		
72) 4-Ethyltoluene	15.96	105	134045	0.406	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.13	105	137920	0.424	ppbv		87
74) 1,2,4-Trimethylbenzene	16.89	105	171736	0.458	ppbv	#	82
75) 1,3-Dichlorobenzene	17.13	146	125568m	0.535	ppbv		
76) 1,4-Dichlorobenzene	17.27	146	112562m	0.522	ppbv		
77) 1,2-Dichlorobenzene	17.95	146	108510	0.501	ppbv		99
78) Hexachloro-1,3-Butadiene	23.50	225	106035m	0.626	ppbv		
79) Naphthalene	22.38	128	119870m	0.400	ppbv		
80) Naphthalene,2-methyl-	25.08	142	40685	0.340	ppbv		95
81) 1,2,4-Trichlorobenzene	22.10	180	90654m	0.479	ppbv		

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

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