Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120319\
Data File : VL034461.D
Acq On : 3 Dec 2019 15:39
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 16:15:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 1
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1002286	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2014367	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2080076m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1795981	10.26	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1844220	10.171	ppbv	99
3) Chlorodifluoromethane	2.96	51	1073071	8.581	ppbv	98
4) Chloromethane	3.12	50	643956	8.730	ppbv	99
5) Vinyl Chloride	3.23	62	598999	8.667	ppbv	95
6) Bromomethane	3.46	94	322219	9.266	ppbv	88
7) Chloroethane	3.54	64	223037	8.892	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1408043	8.647	ppbv	99
9) Propene	2.99	41	453224	8.163	ppbv	98
10) Heptane	8.16	43	1227126	8.565	ppbv	100
11) Trichlorofluoromethane	3.94	101	1632975	9.049	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1080114	9.013	ppbv	99
13) Ethanol	3.59	45	89042m	5.757	ppbv	
14) Bromoethene	3.73	108	426487	8.752	ppbv	97
15) Acetone	3.84	43	1340947	9.343	ppbv	98
16) 1,3-Butadiene	3.31	39	551087	8.815	ppbv	100
17) tert-Butyl alcohol	4.29	59	890494	7.381	ppbv	100
18) 1,1-Dichloroethene	4.29	96	473345	9.030	ppbv	95
19) Isopropyl Alcohol	3.96	45	666978	7.250	ppbv #	99
20) Methylene Chloride	4.34	84	411943	8.094	ppbv	95
21) Allyl Chloride	4.41	41	810874	9.429	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	493088	9.331	ppbv	98
23) Vinyl Acetate	5.08	43	1776025	9.473	ppbv #	99
24) 1,1-Dichloroethane	5.02	63	1256338	8.723	ppbv	99
25) Ethyl Acetate	5.69	43	2181862	8.519	ppbv	100
26) Hexane	5.70	57	922412	8.382	ppbv	98
27) Carbon Disulfide	4.55	76	1252907	10.453	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1618536	8.870	ppbv	100
29) Chloroform	5.77	83	1522833	8.545	ppbv	96
30) Cyclohexane	7.16	84	725652	8.722	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1003196	8.821	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1580083	9.456	ppbv	99
34) 2-Butanone	5.25	43	1458738	8.798	ppbv	99
35) Carbon Tetrachloride	7.05	117	1648016	9.515	ppbv	98
36) Benzene	6.92	78	1750914	8.695	ppbv	96
37) 1,2-Dichloroethane	6.33	62	1352602	9.042	ppbv	99
38) Trichloroethene	7.88	130	738189	8.933	ppbv	98
39) 1,2-Dichloropropane	7.65	63	729416	9.403	ppbv	95
40) 1,4-Dioxane	7.87	88	230457	6.801	ppbv #	88
41) Tetrahydrofuran	6.07	42	804621	8.652	ppbv	98
42) Bromodichloromethane	7.83	83	1704963	9.113	ppbv	99
43) Methyl Methacrylate	8.05	69	755013	9.040	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3149781	8.559	ppbv		99
45) t-1,3-Dichloropropene	9.33	75	1054308	9.843	ppbv		96
46) cis-1,3-Dichloropropene	8.75	75	1171507	9.737	ppbv		98
47) 1,1,2-Trichloroethane	9.53	97	738831	8.561	ppbv		93
48) Dibromochloromethane	10.36	129	1403478	9.472	ppbv		99
49) Bromoform	13.11	173	1245078	9.413	ppbv		98
50) 4-Methyl-2-Pentanone	8.78	43	2137675	8.911	ppbv		100
51) 2-Hexanone	10.18	43	1806298	8.989	ppbv		96
52) Tetrachloroethene	11.28	164	662039	7.599	ppbv		98
53) Toluene	9.86	91	2024623	8.852	ppbv		100
54) 1,2-Dibromoethane	10.67	107	1133068	8.564	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.19	131	914932	8.992	ppbv	#	59
57) Chlorobenzene	12.21	112	1546434	8.224	ppbv		97
58) Ethyl Benzene	12.77	91	2784230	8.625	ppbv		97
59) m/p-Xylene	13.06	91	4671978m	16.744	ppbv		
60) o-Xylene	13.76	91	2359769	8.553	ppbv		99
61) Styrene	13.59	104	1699218	8.541	ppbv		100
62) Isopropylbenzene	14.73	105	3022081	8.283	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1590588	7.670	ppbv		99
64) n-propylbenzene	15.64	120	771433	8.141	ppbv		94
65) tert-Butylbenzene	16.82	119	2668194	8.141	ppbv		99
66) Benzyl Chloride	17.07	91	1295191	10.272	ppbv		100
67) sec-Butylbenzene	17.37	105	3733580	8.144	ppbv		100
69) p-Isopropyltoluene	17.73	119	3126888	8.218	ppbv		100
70) n-Butylbenzene	18.63	91	3313735	8.094	ppbv		100
71) 2-Chlorotoluene	15.53	91	2355029	8.095	ppbv		100
72) 4-Ethyltoluene	15.91	105	2658925	8.341	ppbv		99
73) 1,3,5-Trimethylbenzene	16.07	105	2543063	8.150	ppbv		98
74) 1,2,4-Trimethylbenzene	16.83	105	2649022	7.992	ppbv		97
75) 1,3-Dichlorobenzene	17.07	146	1474111	7.737	ppbv		99
76) 1,4-Dichlorobenzene	17.21	146	1482590	8.014	ppbv		100
77) 1,2-Dichlorobenzene	17.90	146	1447392	7.866	ppbv		99
78) Hexachloro-1,3-Butadiene	23.45	225	1534877	9.708	ppbv		100
79) Naphthalene	22.30	128	2763560	9.618	ppbv		99
80) Naphthalene,2-methyl-	25.04	142	1273700	9.817	ppbv		98
81) 1,2,4-Trichlorobenzene	22.02	180	1629932m	9.234	ppbv		

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

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