Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034465.D
Acq On : 9 Dec 2019 14:48
Operator : SY/AP
Sample : VL1209ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Manual Integrations APPROVED
MMDadoda
12/18/2019 9:49:01 AM

Quant Time: Dec 10 03:56:00 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	915338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1836081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1942566	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1594409	9.76	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1162453	7.020	ppbv	97
3) Chlorodifluoromethane	2.96	51	1047551	9.172	ppbv	99
4) Chloromethane	3.11	50	544933	8.089	ppbv	96
5) Vinyl Chloride	3.23	62	530730	8.409	ppbv	95
6) Bromomethane	3.45	94	302457	9.524	ppbv	91
7) Chloroethane	3.54	64	198706	8.674	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1269730	8.538	ppbv	99
9) Propene	2.98	41	403812	7.964	ppbv	97
10) Heptane	8.15	43	1112940	8.505	ppbv	99
11) Trichlorofluoromethane	3.93	101	1447425	8.783	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	962046	8.790	ppbv	98
13) Ethanol	3.58	45	110886	7.851	ppbv	94
14) Bromoethene	3.72	108	381769	8.579	ppbv	100
15) Acetone	3.83	43	1040762	7.940	ppbv	99
16) 1,3-Butadiene	3.30	39	493429	8.642	ppbv	100
17) tert-Butyl alcohol	4.28	59	1067142	9.686	ppbv	99
18) 1,1-Dichloroethene	4.28	96	415182	8.673	ppbv	94
19) Isopropyl Alcohol	3.95	45	833287	9.918	ppbv	100
20) Methylene Chloride	4.33	84	366962	7.895	ppbv	96
21) Allyl Chloride	4.40	41	710997	9.053	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	414469	8.588	ppbv	97
23) Vinyl Acetate	5.07	43	1554954	9.082	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1120978	8.523	ppbv	98
25) Ethyl Acetate	5.68	43	1899344	8.121	ppbv	100
26) Hexane	5.69	57	828136	8.240	ppbv	98
27) Carbon Disulfide	4.54	76	1060911	9.692	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1453339	8.721	ppbv	99
29) Chloroform	5.76	83	1382406	8.494	ppbv	97
30) Cyclohexane	7.15	84	649409	8.547	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	880173	8.475	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1420005	9.306	ppbv	98
34) 2-Butanone	5.24	43	1281002	8.476	ppbv	98
35) Carbon Tetrachloride	7.04	117	1472282	9.326	ppbv	96
36) Benzene	6.92	78	1556600	8.481	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1188296	8.715	ppbv	99
38) Trichloroethene	7.86	130	626829	8.322	ppbv	96
39) 1,2-Dichloropropane	7.64	63	650524	9.200	ppbv	94
40) 1,4-Dioxane	7.85	88	249241	8.069	ppbv #	100
41) Tetrahydrofuran	6.06	42	709589	8.371	ppbv	99
42) Bromodichloromethane	7.82	83	1514957	8.884	ppbv	100
43) Methyl Methacrylate	8.04	69	664538	8.729	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2861185	8.530	ppbv		99
45) t-1,3-Dichloropropene	9.31	75	882300	9.037	ppbv		95
46) cis-1,3-Dichloropropene	8.74	75	1009760	9.208	ppbv		96
47) 1,1,2-Trichloroethane	9.51	97	678488	8.626	ppbv		96
48) Dibromochloromethane	10.35	129	1253011	9.278	ppbv		99
49) Bromoform	13.10	173	1124863	9.330	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	1909612	8.733	ppbv		99
51) 2-Hexanone	10.17	43	1593504	8.700	ppbv		98
52) Tetrachloroethene	11.27	164	585139	7.368	ppbv		100
53) Toluene	9.84	91	1797278	8.621	ppbv		99
54) 1,2-Dibromoethane	10.65	107	1068382	8.859	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.18	131	848254	8.927	ppbv		96
57) Chlorobenzene	12.20	112	1406264	8.008	ppbv		98
58) Ethyl Benzene	12.76	91	2536071	8.413	ppbv		98
59) m/p-Xylene	13.05	91	4224384m	16.211	ppbv		
60) o-Xylene	13.75	91	2151401	8.350	ppbv		100
61) Styrene	13.58	104	1527349	8.220	ppbv		99
62) Isopropylbenzene	14.72	105	2866182	8.411	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1548442	7.995	ppbv		100
64) n-propylbenzene	15.62	120	727258	8.218	ppbv		91
65) tert-Butylbenzene	16.81	119	2570718	8.399	ppbv		99
66) Benzyl Chloride	17.06	91	1206550	10.247	ppbv		99
67) sec-Butylbenzene	17.36	105	3580284	8.362	ppbv		100
69) p-Isopropyltoluene	17.71	119	3020643	8.501	ppbv		99
70) n-Butylbenzene	18.62	91	3190079	8.344	ppbv		99
71) 2-Chlorotoluene	15.51	91	2247434	8.272	ppbv		100
72) 4-Ethyltoluene	15.90	105	2444538	8.211	ppbv		99
73) 1,3,5-Trimethylbenzene	16.06	105	2397562	8.228	ppbv		97
74) 1,2,4-Trimethylbenzene	16.83	105	2479358	8.010	ppbv	#	89
75) 1,3-Dichlorobenzene	17.06	146	1381162	7.763	ppbv		99
76) 1,4-Dichlorobenzene	17.20	146	1389163	8.040	ppbv		98
77) 1,2-Dichlorobenzene	17.89	146	1370963	7.978	ppbv		99
78) Hexachloro-1,3-Butadiene	23.44	225	1132538	7.670	ppbv		99
79) Naphthalene	22.29	128	2130404	7.939	ppbv		98
80) Naphthalene,2-methyl-	25.03	142	417767	3.448	ppbv		96
81) 1,2,4-Trichlorobenzene	22.01	180	1205106	7.310	ppbv		100

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

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