Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032523.D
Acq On : 25 Sep 2018 00:17
Operator : SY/AP
Sample : VL0924ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 06:06:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 2
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL0924ABS01

Manual Integrations APPROVED
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9/26/2018 4:47:50 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.79	49	1441818	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.32	114	3581440	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.27	117	3747806m	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2793047	9.88	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1814613	13.607	ppbv		100
3) Chlorodifluoromethane	3.03	51	1211719	10.106	ppbv		100
4) Chloromethane	3.19	50	699807	10.009	ppbv		99
5) Vinyl Chloride	3.31	62	680738	9.636	ppbv		99
6) Bromomethane	3.53	94	403610	10.447	ppbv		99
7) Chloroethane	3.62	64	272099	10.810	ppbv		99
8) Dichlorotetrafluoroethane	3.24	85	1515977	10.404	ppbv		100
9) Propene	3.05	41	551217	10.596	ppbv		99
10) Heptane	8.28	43	2082068	10.911	ppbv		99
11) Trichlorofluoromethane	4.02	101	1649672	10.406	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1318854	10.177	ppbv		98
13) Ethanol	3.67	45	132040	8.444	ppbv		94
14) Bromoethene	3.81	108	504247	10.966	ppbv		99
15) Acetone	3.92	43	1226308	9.690	ppbv		100
16) 1,3-Butadiene	3.38	39	589069	11.477	ppbv		94
17) tert-Butyl alcohol	4.38	59	165993	10.437	ppbv	#	100
18) 1,1-Dichloroethene	4.37	96	632464	10.421	ppbv		95
19) Isopropyl Alcohol	4.04	45	881941	10.005	ppbv		99
20) Methylene Chloride	4.43	84	566498	9.243	ppbv		97
21) Allyl Chloride	4.50	41	1083767	10.478	ppbv		100
22) trans-1,2-Dichloroethene	4.99	96	604783	10.574	ppbv		97
23) Vinyl Acetate	5.18	43	2431301	10.872	ppbv		99
24) 1,1-Dichloroethane	5.12	63	1883117	10.112	ppbv		99
25) Ethyl Acetate	5.80	43	2896994	9.433	ppbv		100
26) Hexane	5.81	57	1346038	9.704	ppbv		99
27) Carbon Disulfide	4.64	76	1629132	10.925	ppbv		98
28) Methyl tert-Butyl Ether	5.14	73	1934146	11.193	ppbv		98
29) Chloroform	5.88	83	2054470	9.653	ppbv		98
30) Cyclohexane	7.28	84	1282396	11.354	ppbv		98
31) cis-1,2-Dichloroethene	5.67	61	1416255	10.720	ppbv		97
32) 1,1,1-Trichloroethane	6.65	97	2068271	9.119	ppbv		98
34) 2-Butanone	5.35	43	2089343	9.797	ppbv		100
35) Carbon Tetrachloride	7.16	117	2280584	9.164	ppbv		99
36) Benzene	7.04	78	2832037	9.785	ppbv		99
37) 1,2-Dichloroethane	6.44	62	1649681	9.458	ppbv		99
38) Trichloroethene	7.99	130	1124077	10.146	ppbv		98
39) 1,2-Dichloropropane	7.77	63	1250853	9.590	ppbv		99
40) 1,4-Dioxane	7.99	88	410345	10.260	ppbv		88
41) Tetrahydrofuran	6.17	42	1195749	10.320	ppbv		98
42) Bromodichloromethane	7.95	83	2579332	9.870	ppbv		98
43) Methyl Methacrylate	8.17	69	1289178	10.662	ppbv		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5596501	9.894	ppbv		100
45) t-1,3-Dichloropropene	9.45	75	1735001	11.536	ppbv		98
46) cis-1,3-Dichloropropene	8.87	75	1712720	9.709	ppbv		99
47) 1,1,2-Trichloroethane	9.65	97	1388963	9.588	ppbv		99
48) Dibromochloromethane	10.49	129	2280345	10.011	ppbv		100
49) Bromoform	13.24	173	1756503	10.091	ppbv		100
50) 4-Methyl-2-Pentanone	8.90	43	2960818	8.832	ppbv		100
51) 2-Hexanone	10.30	43	2935190	10.586	ppbv	#	99
52) Tetrachloroethene	11.41	164	977040	9.695	ppbv		99
53) Toluene	9.98	91	3851633	10.920	ppbv		100
54) 1,2-Dibromoethane	10.79	107	2066588	10.030	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1534485	9.109	ppbv	#	60
57) Chlorobenzene	12.34	112	2681970	8.884	ppbv		99
58) Ethyl Benzene	12.90	91	4801239	10.561	ppbv		97
59) m/p-Xylene	13.19	91	7894393m	19.517	ppbv		
60) o-Xylene	13.88	91	3902252	9.909	ppbv		100
61) Styrene	13.72	104	2855590	11.085	ppbv		99
62) Isopropylbenzene	14.86	105	5462197	9.808	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2960445	8.462	ppbv		99
64) n-propylbenzene	15.76	120	1422573	9.943	ppbv		98
65) tert-Butylbenzene	16.94	119	4601359	9.640	ppbv		100
66) Benzyl Chloride	17.19	91	2736179	9.946	ppbv		100
67) sec-Butylbenzene	17.50	105	6812188	9.599	ppbv		100
69) p-Isopropyltoluene	17.85	119	5424976	9.897	ppbv		100
70) n-Butylbenzene	18.75	91	5932234	9.908	ppbv		99
71) 2-Chlorotoluene	15.65	91	4270873	10.069	ppbv		100
72) 4-Ethyltoluene	16.04	105	4476296	10.472	ppbv		99
73) 1,3,5-Trimethylbenzene	16.19	105	4275784	10.293	ppbv		96
74) 1,2,4-Trimethylbenzene	16.96	105	4321239	9.661	ppbv		95
75) 1,3-Dichlorobenzene	17.20	146	2381311	8.628	ppbv		100
76) 1,4-Dichlorobenzene	17.34	146	2385812	9.441	ppbv		99
77) 1,2-Dichlorobenzene	18.03	146	2360463	9.094	ppbv		100
78) Hexachloro-1,3-Butadiene	23.58	225	761971	7.822	ppbv		99
79) Naphthalene	22.45	128	3741039	11.597	ppbv		98
80) Naphthalene,2-methyl-	25.14	142	1178794	15.565	ppbv		99
81) 1,2,4-Trichlorobenzene	22.17	180	1775986	10.742	ppbv		99

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

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