Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032483.D
Acq On : 10 Sep 2018 17:29
Operator : SY/AP
Sample : VL0910ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 01:19:49 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 21:33:46 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Manual Integrations APPROVED
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9/12/2018 3:59:33 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.80	49	1507879	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.34	114	3692600	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.29	117	3544264m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.62	95	2628775	9.99	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.10	85	1082872	5.61	ppbv		99
3) Chlorodifluoromethane	3.04	51	1197119	8.77	ppbv		99
4) Chloromethane	3.19	50	703064	8.51	ppbv		98
5) Vinyl Chloride	3.32	62	675923	8.29	ppbv		100
6) Bromomethane	3.54	94	378095	8.83	ppbv		97
7) Chloroethane	3.63	64	254095	9.00	ppbv		99
8) Dichlorotetrafluoroethane	3.25	85	1429938	8.35	ppbv		99
9) Propene	3.06	41	571684	10.38	ppbv		99
10) Heptane	8.29	43	2298965	11.64	ppbv		99
11) Trichlorofluoromethane	4.03	101	1487884	8.56	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1256502	10.66	ppbv		100
13) Ethanol	3.68	45	138087	8.05	ppbv		99
14) Bromoethene	3.82	108	459115	9.19	ppbv		100
15) Acetone	3.93	43	1164904	8.58	ppbv		99
16) 1,3-Butadiene	3.39	39	548492	8.58	ppbv		97
17) tert-Butyl alcohol	4.39	59	213549	10.22	ppbv	#	100
18) 1,1-Dichloroethene	4.38	96	603541	11.21	ppbv		98
19) Isopropyl Alcohol	4.05	45	883789	9.92	ppbv	#	98
20) Methylene Chloride	4.44	84	540278	10.43	ppbv		91
21) Allyl Chloride	4.51	41	1061768	11.77	ppbv		99
22) trans-1,2-Dichloroethene	5.00	96	580972	9.94	ppbv		99
23) Vinyl Acetate	5.19	43	2608810	11.59	ppbv		99
24) 1,1-Dichloroethane	5.13	63	1864162	10.05	ppbv		99
25) Ethyl Acetate	5.81	43	3150129	9.82	ppbv		100
26) Hexane	5.82	57	1454570	10.13	ppbv		99
27) Carbon Disulfide	4.65	76	1570385	11.85	ppbv		99
28) Methyl tert-Butyl Ether	5.15	73	1995892	11.32	ppbv		99
29) Chloroform	5.89	83	2146161	9.80	ppbv		99
30) Cyclohexane	7.29	84	1371514	13.05	ppbv		99
31) cis-1,2-Dichloroethene	5.68	61	1438237	11.06	ppbv		99
32) 1,1,1-Trichloroethane	6.66	97	2029137	9.94	ppbv		98
34) 2-Butanone	5.36	43	2100189	8.56	ppbv		100
35) Carbon Tetrachloride	7.17	117	2349014	9.46	ppbv		99
36) Benzene	7.05	78	3150330	10.03	ppbv		100
37) 1,2-Dichloroethane	6.45	62	1599540	8.31	ppbv		99
38) Trichloroethene	8.00	130	1151851	9.65	ppbv		98
39) 1,2-Dichloropropane	7.78	63	1355505	10.08	ppbv		98
40) 1,4-Dioxane	8.00	88	416592	10.33	ppbv		95
41) Tetrahydrofuran	6.19	42	1262446	9.45	ppbv		100
42) Bromodichloromethane	7.96	83	2624546	9.88	ppbv		99
43) Methyl Methacrylate	8.18	69	1405593	10.54	ppbv		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5890305	9.70	ppbv		99
45) t-1,3-Dichloropropene	9.46	75	1776023	12.45	ppbv		99
46) cis-1,3-Dichloropropene	8.88	75	2030110	11.14	ppbv		98
47) 1,1,2-Trichloroethane	9.66	97	1386803	9.70	ppbv		100
48) Dibromochloromethane	10.50	129	2256181	11.40	ppbv		99
49) Bromoform	13.25	173	1681000	9.77	ppbv		99
50) 4-Methyl-2-Pentanone	8.91	43	3510812	9.50	ppbv		100
51) 2-Hexanone	10.32	43	3084280	12.96	ppbv		100
52) Tetrachloroethene	11.42	164	954562	9.80	ppbv		97
53) Toluene	9.99	91	3903809	11.88	ppbv		100
54) 1,2-Dibromoethane	10.81	107	2084525	10.86	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.33	131	1453454	9.10	ppbv	#	58
57) Chlorobenzene	12.35	112	2596063	9.16	ppbv		99
58) Ethyl Benzene	12.91	91	4752572	11.21	ppbv		98
59) m/p-Xylene	13.20	91	7776407m	20.57	ppbv		
60) o-Xylene	13.90	91	3807605	10.25	ppbv		99
61) Styrene	13.73	104	2891222	12.02	ppbv		99
62) Isopropylbenzene	14.88	105	5353207	10.25	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.88	83	2892594	8.71	ppbv		100
64) n-propylbenzene	15.77	120	1425504	10.44	ppbv		100
65) tert-Butylbenzene	16.96	119	4573698	10.16	ppbv		100
66) Benzyl Chloride	17.20	91	2864650	11.43	ppbv		100
67) sec-Butylbenzene	17.51	105	6797274	10.05	ppbv		99
69) p-Isopropyltoluene	17.86	119	5427054	10.35	ppbv		100
70) n-Butylbenzene	18.76	91	5995808	10.09	ppbv		99
71) 2-Chlorotoluene	15.67	91	4238676	10.63	ppbv		99
72) 4-Ethyltoluene	16.05	105	4489107	11.07	ppbv		100
73) 1,3,5-Trimethylbenzene	16.21	105	4260468	10.49	ppbv		99
74) 1,2,4-Trimethylbenzene	16.97	105	4314815	9.71	ppbv		97
75) 1,3-Dichlorobenzene	17.21	146	2423033	9.19	ppbv		99
76) 1,4-Dichlorobenzene	17.35	146	2415500	9.88	ppbv		99
77) 1,2-Dichlorobenzene	18.04	146	2403821	9.45	ppbv		99
78) Hexachloro-1,3-Butadiene	23.59	225	763075	8.03	ppbv		100
79) Naphthalene	22.47	128	3985149	11.03	ppbv		99
80) Naphthalene,2-methyl-	25.15	142	1479470	15.39	ppbv		99
81) 1,2,4-Trichlorobenzene	22.19	180	1908506	10.49	ppbv		99

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

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