Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\
Data File : VL032636.D
Acq On : 17 Oct 2018 11:37
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Quant Time: Oct 17 16:34:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1144186	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2574078	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2867236m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2017570	9.35	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	813466	9.631	ppbv	99
3) Chlorodifluoromethane	3.02	51	910699	9.513	ppbv	97
4) Chloromethane	3.18	50	494571	9.463	ppbv	99
5) Vinyl Chloride	3.30	62	517644	9.831	ppbv	99
6) Bromomethane	3.53	94	329396	9.904	ppbv	93
7) Chloroethane	3.62	64	199012	9.656	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	1238114	9.599	ppbv	99
9) Propene	3.05	41	355133	10.119	ppbv	99
10) Heptane	8.26	43	1472078	11.200	ppbv	98
11) Trichlorofluoromethane	4.02	101	1394696	9.489	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1179152	10.957	ppbv	100
13) Ethanol	3.66	45	95176	8.764	ppbv	99
14) Bromoethene	3.80	108	408641	10.379	ppbv	100
15) Acetone	3.91	43	962734	9.455	ppbv	100
16) 1,3-Butadiene	3.37	39	436905	11.588	ppbv	84
17) tert-Butyl alcohol	4.37	59	92713	9.977	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	475335	9.794	ppbv	97
19) Isopropyl Alcohol	4.04	45	679408	9.448	ppbv	99
20) Methylene Chloride	4.42	84	420628	9.222	ppbv	97
21) Allyl Chloride	4.49	41	787571	10.307	ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	521872	9.308	ppbv	90
23) Vinyl Acetate	5.17	43	1798078	11.100	ppbv	98
24) 1,1-Dichloroethane	5.10	63	1508145	10.042	ppbv	100
25) Ethyl Acetate	5.79	43	2506608	10.404	ppbv	99
26) Hexane	5.80	57	1180276	10.876	ppbv	99
27) Carbon Disulfide	4.63	76	1361612	10.383	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	1515944	11.116	ppbv	100
29) Chloroform	5.87	83	1953519	10.271	ppbv	94
30) Cyclohexane	7.27	84	981954	11.474	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1169398	11.217	ppbv	98
32) 1,1,1-Trichloroethane	6.64	97	1906159	10.045	ppbv	99
34) 2-Butanone	5.34	43	1512828	10.589	ppbv	99
35) Carbon Tetrachloride	7.15	117	2014379	10.098	ppbv	99
36) Benzene	7.02	78	2334288	11.188	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1523635	10.648	ppbv	100
38) Trichloroethene	7.98	130	901487	11.491	ppbv	98
39) 1,2-Dichloropropane	7.76	63	922078	10.864	ppbv	97
40) 1,4-Dioxane	7.98	88	305610	10.422	ppbv #	1
41) Tetrahydrofuran	6.16	42	843499	11.128	ppbv	97
42) Bromodichloromethane	7.94	83	2138404	10.963	ppbv	99
43) Methyl Methacrylate	8.16	69	969996	11.990	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4150849	11.222	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	1265770	11.966	ppbv		98
46) cis-1,3-Dichloropropene	8.86	75	1498772	12.446	ppbv		99
47) 1,1,2-Trichloroethane	9.64	97	1031162	10.166	ppbv		98
48) Dibromochloromethane	10.47	129	1916828	11.127	ppbv		100
49) Bromoform	13.23	173	1474965	11.331	ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	2349452	11.173	ppbv		100
51) 2-Hexanone	10.29	43	2097637	12.686	ppbv	#	99
52) Tetrachloroethene	11.40	164	828451	12.061	ppbv		98
53) Toluene	9.97	91	2985653	12.552	ppbv		100
54) 1,2-Dibromoethane	10.78	107	1672986	11.519	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1368079	10.391	ppbv		99
57) Chlorobenzene	12.32	112	2292787	10.515	ppbv		98
58) Ethyl Benzene	12.88	91	3775196	11.724	ppbv		99
59) m/p-Xylene	13.17	91	6461128m	22.478	ppbv		
60) o-Xylene	13.87	91	3151014	11.001	ppbv		99
61) Styrene	13.71	104	2201393	12.682	ppbv		99
62) Isopropylbenzene	14.85	105	4424699	10.844	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2358095	9.329	ppbv		99
64) n-propylbenzene	15.74	120	1136783	10.994	ppbv		99
65) tert-Butylbenzene	16.93	119	3786238	10.936	ppbv		100
66) Benzyl Chloride	17.18	91	2214040	11.342	ppbv		99
67) sec-Butylbenzene	17.48	105	5516319	10.586	ppbv		100
69) p-Isopropyltoluene	17.84	119	4437233	11.250	ppbv		100
70) n-Butylbenzene	18.74	91	4810431	11.070	ppbv		100
71) 2-Chlorotoluene	15.64	91	3439347	11.402	ppbv		100
72) 4-Ethyltoluene	16.02	105	3630578	11.726	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	3464989	11.251	ppbv		99
74) 1,2,4-Trimethylbenzene	16.95	105	3547956	10.464	ppbv		98
75) 1,3-Dichlorobenzene	17.19	146	1922532	9.756	ppbv		100
76) 1,4-Dichlorobenzene	17.33	146	1902739	10.597	ppbv		100
77) 1,2-Dichlorobenzene	18.01	146	1909282	10.079	ppbv		99
78) Hexachloro-1,3-Butadiene	23.56	225	1152402	10.870	ppbv		100
79) Naphthalene	22.44	128	2838129	12.309	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	827537	11.010	ppbv		100
81) 1,2,4-Trichlorobenzene	22.16	180	1364146	11.918	ppbv		100

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

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