Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082018\
Data File : VL032408.D
Acq On : 20 Aug 2018 17:20
Operator : SY/AP
Sample : VL0820ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Manual Integrations APPROVED
MMDadoda
8/28/2018 2:53:51 PM

Quant Time: Aug 28 14:00:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug 2
QLast Update : Tue Aug 28 13:07:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.82	49	1785404	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.35	114	3624063	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.30	117	3801573m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.64	95	2785147	9.60	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.11	85	1916781	10.53	ppbv		99
3) Chlorodifluoromethane	3.05	51	1632880	9.87	ppbv		99
4) Chloromethane	3.21	50	1011694	10.28	ppbv		99
5) Vinyl Chloride	3.32	62	943983	10.06	ppbv		99
6) Bromomethane	3.55	94	536719	10.67	ppbv		97
7) Chloroethane	3.64	64	344196	10.46	ppbv		94
8) Dichlorotetrafluoroethane	3.25	85	2007259	9.95	ppbv		99
9) Propene	3.07	41	746136	10.54	ppbv		98
10) Heptane	8.31	43	2639366	12.38	ppbv		100
11) Trichlorofluoromethane	4.04	101	2058297	10.31	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1351050	10.05	ppbv		98
13) Ethanol	3.69	45	200900	11.05	ppbv		97
14) Bromoethene	3.83	108	638464	10.98	ppbv		99
15) Acetone	3.94	43	1631369	9.62	ppbv		100
16) 1,3-Butadiene	3.40	39	729333	10.41	ppbv		96
17) tert-Butyl alcohol	4.40	59	298013	10.47	ppbv		99
18) 1,1-Dichloroethene	4.40	96	647511	10.33	ppbv		98
19) Isopropyl Alcohol	4.06	45	1256266	11.00	ppbv	#	98
20) Methylene Chloride	4.45	84	576110	8.99	ppbv		97
21) Allyl Chloride	4.52	41	1153091	10.77	ppbv		99
22) trans-1,2-Dichloroethene	5.01	96	700484	11.09	ppbv		98
23) Vinyl Acetate	5.20	43	3130494	10.69	ppbv		99
24) 1,1-Dichloroethane	5.14	63	2205531	10.43	ppbv		99
25) Ethyl Acetate	5.82	43	3765383	10.36	ppbv		99
26) Hexane	5.83	57	1721415	10.62	ppbv		99
27) Carbon Disulfide	4.67	76	1711173	11.31	ppbv		99
28) Methyl tert-Butyl Ether	5.16	73	2386134	11.09	ppbv		100
29) Chloroform	5.90	83	2531909	10.66	ppbv		99
30) Cyclohexane	7.31	84	1381026	11.19	ppbv		100
31) cis-1,2-Dichloroethene	5.69	61	1736326	10.95	ppbv		99
32) 1,1,1-Trichloroethane	6.67	97	2246448	9.72	ppbv		99
34) 2-Butanone	5.38	43	2701542	10.95	ppbv		98
35) Carbon Tetrachloride	7.19	117	2414708	11.30	ppbv		100
36) Benzene	7.06	78	3413988	11.11	ppbv		99
37) 1,2-Dichloroethane	6.47	62	1971729	10.58	ppbv		99
38) Trichloroethene	8.02	130	1276911	11.85	ppbv		95
39) 1,2-Dichloropropane	7.80	63	1379261	10.75	ppbv		99
40) 1,4-Dioxane	8.02	88	500701m	12.84	ppbv		
41) Tetrahydrofuran	6.20	42	1555890	11.75	ppbv		99
42) Bromodichloromethane	7.98	83	2921692	11.97	ppbv		98
43) Methyl Methacrylate	8.20	69	1594982	13.03	ppbv		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	6697323	12.09	ppbv		100
45) t-1,3-Dichloropropene	9.48	75	1723689	11.13	ppbv		100
46) cis-1,3-Dichloropropene	8.90	75	2319071	12.49	ppbv		97
47) 1,1,2-Trichloroethane	9.68	97	1305425	9.24	ppbv		96
48) Dibromochloromethane	10.51	129	2059520	10.91	ppbv		100
49) Bromoform	13.27	173	1798554	11.47	ppbv		100
50) 4-Methyl-2-Pentanone	8.93	43	4036831	11.33	ppbv		100
51) 2-Hexanone	10.33	43	2894871	11.57	ppbv	#	99
52) Tetrachloroethene	11.44	164	986908	10.89	ppbv		97
53) Toluene	10.01	91	3637487	10.80	ppbv		99
54) 1,2-Dibromoethane	10.83	107	1997175	11.01	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.34	131	1570726	9.99	ppbv	#	57
57) Chlorobenzene	12.37	112	2817513	9.85	ppbv		98
58) Ethyl Benzene	12.93	91	5020054	10.98	ppbv		99
59) m/p-Xylene	13.21	91	8240773m	21.21	ppbv		
60) o-Xylene	13.92	91	4014901	10.51	ppbv		99
61) Styrene	13.75	104	3099589	11.61	ppbv		99
62) Isopropylbenzene	14.89	105	5658721	10.41	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.90	83	3057578	9.52	ppbv		100
64) n-propylbenzene	15.79	120	1488718	10.58	ppbv		97
65) tert-Butylbenzene	16.97	119	4784768	10.30	ppbv		100
66) Benzyl Chloride	17.22	91	3298241	12.00	ppbv		99
67) sec-Butylbenzene	17.52	105	7362843	10.66	ppbv		99
69) p-Isopropyltoluene	17.88	119	5692664	10.77	ppbv		99
70) n-Butylbenzene	18.78	91	6328548	10.92	ppbv		99
71) 2-Chlorotoluene	15.68	91	4559962	10.84	ppbv		100
72) 4-Ethyltoluene	16.06	105	4766285	11.19	ppbv		99
73) 1,3,5-Trimethylbenzene	16.22	105	4502505	10.99	ppbv		100
74) 1,2,4-Trimethylbenzene	16.99	105	4558093	10.46	ppbv		97
75) 1,3-Dichlorobenzene	17.23	146	2585414	9.87	ppbv		99
76) 1,4-Dichlorobenzene	17.38	146	2637409	10.63	ppbv		99
77) 1,2-Dichlorobenzene	18.05	146	2537896	10.14	ppbv		99
78) Hexachloro-1,3-Butadiene	23.61	225	781718	9.30	ppbv		99
79) Naphthalene	22.48	128	4246961	13.35	ppbv		99
80) Naphthalene,2-methyl-	25.16	142	1655149	19.03	ppbv		100
81) 1,2,4-Trichlorobenzene	22.21	180	2016115	11.96	ppbv		99

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

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