Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
Data File : VL032223.D
Acq On : 6 Jul 2018 3:45
Operator : SY/AP
Sample : J3762-15 0.4 PPB LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

Manual Integrations APPROVED
MMDadoda
7/9/2018 10:47:58 AM

Quant Time: Jul 06 07:26:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 2
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.84	49	1615908	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.38	114	4046727	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.33	117	3953362	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.67	95	3054212	10.11	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.13	85	131005	0.62	ppbv		100
3) Chlorodifluoromethane	3.07	51	101631	0.51	ppbv		98
4) Chloromethane	3.23	50	50602m	0.48	ppbv		
5) Vinyl Chloride	3.35	62	48089	0.45	ppbv		98
6) Bromomethane	3.58	94	28227	0.47	ppbv		97
7) Chloroethane	3.66	64	17621m	0.47	ppbv		
8) Dichlorotetrafluoroethane	3.28	85	122069	0.51	ppbv		87
9) Propene	3.09	41	32391m	0.35	ppbv		
10) Heptane	8.33	43	99967	0.37	ppbv		95
11) Trichlorofluoromethane	4.07	101	140905	0.61	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.63	101	70550m	0.46	ppbv		
13) Ethanol	3.73	45	13039m	0.47	ppbv		
14) Bromoethene	3.86	108	35461	0.49	ppbv	#	98
15) Acetone	3.98	43	126275	0.67	ppbv		99
16) 1,3-Butadiene	3.42	39	37804	0.42	ppbv		91
17) tert-Butyl alcohol	4.45	59	42223m	0.35	ppbv		
18) 1,1-Dichloroethene	4.42	96	37023	0.50	ppbv		96
19) Isopropyl Alcohol	4.11	45	76512m	0.49	ppbv		
20) Methylene Chloride	4.48	84	34739m	0.50	ppbv		
21) Allyl Chloride	4.55	41	40382	0.31	ppbv		89
22) trans-1,2-Dichloroethene	5.04	96	30980	0.40	ppbv		82
23) Vinyl Acetate	5.23	43	104102	0.30	ppbv	#	93
24) 1,1-Dichloroethane	5.17	63	103794	0.47	ppbv		97
25) Ethyl Acetate	5.86	43	163420	0.42	ppbv		98
26) Hexane	5.86	57	73345	0.41	ppbv		89
27) Carbon Disulfide	4.69	76	52034	0.29	ppbv	#	67
28) Methyl tert-Butyl Ether	5.20	73	102374	0.32	ppbv		99
29) Chloroform	5.93	83	124862	0.48	ppbv		92
30) Cyclohexane	7.33	84	64824m	0.38	ppbv		
31) cis-1,2-Dichloroethene	5.72	61	68418	0.38	ppbv	#	86
32) 1,1,1-Trichloroethane	6.71	97	118643	0.43	ppbv		94
34) 2-Butanone	5.42	43	99768	0.39	ppbv		100
35) Carbon Tetrachloride	7.22	117	127289	0.46	ppbv		93
36) Benzene	7.10	78	160330	0.41	ppbv		96
37) 1,2-Dichloroethane	6.49	62	106911	0.55	ppbv		96
38) Trichloroethene	8.05	130	61594	0.40	ppbv		97
39) 1,2-Dichloropropane	7.82	63	73177m	0.47	ppbv		
40) 1,4-Dioxane	8.11	88	26243m	0.43	ppbv		
41) Tetrahydrofuran	6.26	42	50537	0.33	ppbv		95
42) Bromodichloromethane	8.01	83	148841	0.49	ppbv		88
43) Methyl Methacrylate	8.23	69	56045	0.35	ppbv		90

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	297848	0.43	ppbv		93
45) t-1,3-Dichloropropene	9.51	75	53599m	0.27	ppbv		
46) cis-1,3-Dichloropropene	8.93	75	73833m	0.31	ppbv		
47) 1,1,2-Trichloroethane	9.70	97	78044m	0.49	ppbv		
48) Dibromochloromethane	10.55	129	95383	0.38	ppbv		95
49) Bromoform	13.30	173	69677m	0.33	ppbv		
50) 4-Methyl-2-Pentanone	8.99	43	168811	0.40	ppbv		96
51) 2-Hexanone	10.39	43	124701	0.36	ppbv	#	93
52) Tetrachloroethene	11.47	164	60160m	0.42	ppbv		
53) Toluene	10.04	91	157915	0.33	ppbv		99
54) 1,2-Dibromoethane	10.85	107	98287	0.41	ppbv		87
56) 1,1,1,2-Tetrachloroethane	12.38	131	83231	0.47	ppbv	#	1
57) Chlorobenzene	12.40	112	177304	0.52	ppbv	#	96
58) Ethyl Benzene	12.96	91	238250	0.37	ppbv		99
59) m/p-Xylene	13.24	91	431556m	0.85	ppbv		
60) o-Xylene	13.94	91	215772	0.42	ppbv		92
61) Styrene	13.79	104	133260m	0.32	ppbv		
62) Isopropylbenzene	14.92	105	302658	0.39	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.94	83	205564m	0.52	ppbv		
64) n-propylbenzene	15.82	120	73163m	0.36	ppbv		
65) tert-Butylbenzene	17.01	119	245547	0.36	ppbv		88
66) Benzyl Chloride	17.25	91	70596	0.17	ppbv	#	95
67) sec-Butylbenzene	17.55	105	382746	0.38	ppbv		95
69) p-Isopropyltoluene	17.91	119	268280	0.33	ppbv		94
70) n-Butylbenzene	18.81	91	306867	0.36	ppbv		94
71) 2-Chlorotoluene	15.72	91	230443m	0.38	ppbv		
72) 4-Ethyltoluene	16.10	105	226943m	0.34	ppbv		
73) 1,3,5-Trimethylbenzene	16.25	105	213052	0.34	ppbv	#	85
74) 1,2,4-Trimethylbenzene	17.02	105	229051	0.37	ppbv	#	89
75) 1,3-Dichlorobenzene	17.26	146	160591	0.45	ppbv		95
76) 1,4-Dichlorobenzene	17.40	146	132133	0.37	ppbv		92
77) 1,2-Dichlorobenzene	18.09	146	137958	0.39	ppbv		92
78) Hexachloro-1,3-Butadiene	23.64	225	49225m	0.40	ppbv		
79) Naphthalene	22.53	128	98787m	0.17	ppbv		
80) Naphthalene,2-methyl-	25.20	142	6454	0.03	ppbv	#	93
81) 1,2,4-Trichlorobenzene	22.25	180	59103m	0.23	ppbv		

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

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