Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101619\
Data File : VL034298.D
Acq On : 16 Oct 2019 12:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
MMDadoda
10/18/2019 3:03:42 PM

Quant Time: Oct 16 16:53:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1195379	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	2310242	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	2541989m	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	2069538	9.37	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1444021	8.178	ppbv	100
3) Chlorodifluoromethane	2.96	51	1344164	9.590	ppbv	97
4) Chloromethane	3.12	50	799996	9.713	ppbv	96
5) Vinyl Chloride	3.24	62	730266	9.702	ppbv	98
6) Bromomethane	3.46	94	379839	10.816	ppbv	96
7) Chloroethane	3.54	64	279043	10.606	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1625137	10.428	ppbv	95
9) Propene	2.99	41	629391	9.102	ppbv	97
10) Heptane	8.17	43	1643433	9.119	ppbv	96
11) Trichlorofluoromethane	3.94	101	1834870	11.416	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1223840	11.635	ppbv	91
13) Ethanol	3.59	45	131930	7.879	ppbv	99
14) Bromoethene	3.73	108	522348	12.146	ppbv	98
15) Acetone	3.84	43	1392298	8.690	ppbv	100
16) 1,3-Butadiene	3.31	39	695709	9.950	ppbv	99
17) tert-Butyl alcohol	4.29	59	1274593	12.556	ppbv	100
18) 1,1-Dichloroethene	4.29	96	553203	12.058	ppbv	89
19) Isopropyl Alcohol	3.96	45	1094406	11.108	ppbv	100
20) Methylene Chloride	4.35	84	491085	10.631	ppbv	90
21) Allyl Chloride	4.41	41	979794	10.827	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	568565	12.387	ppbv	92
23) Vinyl Acetate	5.09	43	2222721	9.415	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1546546	9.729	ppbv	99
25) Ethyl Acetate	5.70	43	2747515	9.069	ppbv	99
26) Hexane	5.71	57	1173691	9.313	ppbv	99
27) Carbon Disulfide	4.56	76	1421709	12.232	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1899055	10.146	ppbv	98
29) Chloroform	5.78	83	1864429	10.353	ppbv	97
30) Cyclohexane	7.17	84	933001	10.254	ppbv	93
31) cis-1,2-Dichloroethene	5.57	61	1285481	10.006	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	1846041	10.629	ppbv	96
34) 2-Butanone	5.26	43	1872464	7.938	ppbv	96
35) Carbon Tetrachloride	7.06	117	1939756	10.106	ppbv	98
36) Benzene	6.93	78	2203064	8.634	ppbv	100
37) 1,2-Dichloroethane	6.34	62	1630321	8.983	ppbv	100
38) Trichloroethene	7.88	130	863416	9.471	ppbv	92
39) 1,2-Dichloropropane	7.65	63	952849	8.311	ppbv	96
40) 1,4-Dioxane	7.87	88	361622	9.747	ppbv #	80
41) Tetrahydrofuran	6.07	42	1108457	8.343	ppbv	96
42) Bromodichloromethane	7.84	83	2052690	9.425	ppbv #	99
43) Methyl Methacrylate	8.06	69	971282	9.215	ppbv	93

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101619\
Data File : VL034298.D
Acq On : 16 Oct 2019 12:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
MMDadoda
10/18/2019 3:03:42 PM

Quant Time: Oct 16 16:53:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	4010930	8.166	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1317390	10.571	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1472647	9.823	ppbv	95
47) 1,1,2-Trichloroethane	9.53	97	947896	9.208	ppbv	96
48) Dibromochloromethane	10.37	129	1706084	10.456	ppbv	99
49) Bromoform	13.12	173	1557384	11.795	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2789857	8.127	ppbv	100
51) 2-Hexanone	10.19	43	2365042	8.209	ppbv	99
52) Tetrachloroethene	11.29	164	850416	10.088	ppbv	96
53) Toluene	9.86	91	2561167	9.185	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1434150	9.368	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.19	131	1110679	9.797	ppbv	97
57) Chlorobenzene	12.22	112	1951633	8.818	ppbv	94
58) Ethyl Benzene	12.78	91	3512503	8.564	ppbv	98
59) m/p-Xylene	13.07	91	5890552m	17.339	ppbv	
60) o-Xylene	13.76	91	2919700	8.595	ppbv	99
61) Styrene	13.60	104	2210429	9.084	ppbv	98
62) Isopropylbenzene	14.74	105	3824150	8.696	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	2074939	7.449	ppbv	99
64) n-propylbenzene	15.64	120	1005437	9.037	ppbv	98
65) tert-Butylbenzene	16.82	119	3428330	8.922	ppbv	96
66) Benzyl Chloride	17.07	91	1725836	12.696	ppbv	99
67) sec-Butylbenzene	17.37	105	4717059	8.585	ppbv	98
69) p-Isopropyltoluene	17.73	119	3957074	8.894	ppbv	98
70) n-Butylbenzene	18.63	91	4255892	8.215	ppbv	99
71) 2-Chlorotoluene	15.53	91	3077949	8.567	ppbv	97
72) 4-Ethyltoluene	15.92	105	3398233	8.854	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	3284600	8.859	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	3372126	8.565	ppbv	97
75) 1,3-Dichlorobenzene	17.08	146	1964229	9.299	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	1974415	9.127	ppbv	98
77) 1,2-Dichlorobenzene	17.90	146	1917513	8.969	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	1459304	10.305	ppbv	99
79) Naphthalene	22.31	128	2837730m	8.188	ppbv	
80) Naphthalene,2-methyl-	25.05	142	943049	5.851	ppbv	94
81) 1,2,4-Trichlorobenzene	22.03	180	1726381	8.992	ppbv	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101619\
Data File : VL034298.D
Acq On : 16 Oct 2019 12:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 16 16:53:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
MMDadoda
10/18/2019 3:03:42 PM