Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090519\
Data File : VL034127.D
Acq On : 5 Sep 2019 7:05
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL090519

Manual Integrations APPROVED
MMDadoda
9/12/2019 5:15:03 AM

Quant Time: Sep 05 10:28:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 0
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1102166	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2090110	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2220194m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1776429	9.79	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1677736	9.229	ppbv	98
3) Chlorodifluoromethane	2.98	51	1179344	9.599	ppbv	100
4) Chloromethane	3.13	50	671394	8.741	ppbv	97
5) Vinyl Chloride	3.26	62	607540	8.684	ppbv	97
6) Bromomethane	3.47	94	325088	9.415	ppbv	99
7) Chloroethane	3.56	64	222784	9.346	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1292451	8.833	ppbv	99
9) Propene	3.00	41	626378	9.112	ppbv	98
10) Heptane	8.19	43	1649725	9.248	ppbv	98
11) Trichlorofluoromethane	3.96	101	1308245	8.824	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	916691	9.242	ppbv	100
13) Ethanol	3.61	45	121225	9.002	ppbv	98
14) Bromoethene	3.75	108	395331	9.206	ppbv	99
15) Acetone	3.86	43	1114112	8.387	ppbv	99
16) 1,3-Butadiene	3.33	39	616331	9.162	ppbv	99
17) tert-Butyl alcohol	4.31	59	820239	8.506	ppbv	100
18) 1,1-Dichloroethene	4.31	96	418855	9.243	ppbv	96
19) Isopropyl Alcohol	3.98	45	751920	8.387	ppbv #	11
20) Methylene Chloride	4.36	84	369726	8.418	ppbv	97
21) Allyl Chloride	4.43	41	810777	9.258	ppbv	98
22) trans-1,2-Dichloroethene	4.91	96	401478	8.851	ppbv	94
23) Vinyl Acetate	5.11	43	2127005	9.438	ppbv	99
24) 1,1-Dichloroethane	5.04	63	1339173	8.953	ppbv	100
25) Ethyl Acetate	5.71	43	2471237	8.475	ppbv	100
26) Hexane	5.73	57	1089510	8.404	ppbv	97
27) Carbon Disulfide	4.57	76	1100352	9.405	ppbv	100
28) Methyl tert-Butyl Ether	5.06	73	1749621	9.211	ppbv	99
29) Chloroform	5.80	83	1584158	9.060	ppbv	99
30) Cyclohexane	7.19	84	891131	9.508	ppbv	100
31) cis-1,2-Dichloroethene	5.59	61	1152794	9.286	ppbv	98
32) 1,1,1-Trichloroethane	6.56	97	1501413	9.089	ppbv	99
34) 2-Butanone	5.28	43	1786913	8.893	ppbv	99
35) Carbon Tetrachloride	7.08	117	1433566	8.797	ppbv	98
36) Benzene	6.95	78	2138779	8.952	ppbv	97
37) 1,2-Dichloroethane	6.36	62	1314713	8.971	ppbv	100
38) Trichloroethene	7.90	130	683853	7.671	ppbv	98
39) 1,2-Dichloropropane	7.68	63	925948	9.057	ppbv	96
40) 1,4-Dioxane	7.89	88	291536	7.759	ppbv #	95
41) Tetrahydrofuran	6.09	42	1110621	9.219	ppbv	99
42) Bromodichloromethane	7.86	83	1736412	9.091	ppbv	99
43) Methyl Methacrylate	8.08	69	924194	9.390	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	3767139	8.553	ppbv		100
45) t-1,3-Dichloropropene	9.35	75	1101320	9.521	ppbv		97
46) cis-1,3-Dichloropropene	8.78	75	1299022	9.230	ppbv		98
47) 1,1,2-Trichloroethane	9.55	97	858544m	9.217	ppbv		
48) Dibromochloromethane	10.39	129	1330658	9.574	ppbv		97
49) Bromoform	13.14	173	1151541	9.450	ppbv		98
50) 4-Methyl-2-Pentanone	8.81	43	2654818	8.658	ppbv		99
51) 2-Hexanone	10.21	43	2280979	8.611	ppbv	#	99
52) Tetrachloroethene	11.31	164	680766	8.081	ppbv		98
53) Toluene	9.89	91	2392128	9.053	ppbv		99
54) 1,2-Dibromoethane	10.70	107	1278816	9.216	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.22	131	876496	9.205	ppbv	#	61
57) Chlorobenzene	12.24	112	1640849	8.591	ppbv		99
58) Ethyl Benzene	12.80	91	3215766	8.833	ppbv		98
59) m/p-Xylene	13.09	91	5098143m	17.166	ppbv		
60) o-Xylene	13.79	91	2542226	8.594	ppbv		100
61) Styrene	13.62	104	1937963	8.759	ppbv		99
62) Isopropylbenzene	14.76	105	3335027	8.665	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.77	83	1868090	7.750	ppbv		99
64) n-propylbenzene	15.66	120	890541	9.237	ppbv		98
65) tert-Butylbenzene	16.85	119	2828223	8.515	ppbv		99
66) Benzyl Chloride	17.10	91	1209294	9.875	ppbv		99
67) sec-Butylbenzene	17.40	105	4118908	8.624	ppbv		99
69) p-Isopropyltoluene	17.76	119	3344608	8.752	ppbv		100
70) n-Butylbenzene	18.65	91	3798606	8.736	ppbv		99
71) 2-Chlorotoluene	15.55	91	2780724	8.845	ppbv		99
72) 4-Ethyltoluene	15.94	105	2958988	8.866	ppbv		99
73) 1,3,5-Trimethylbenzene	16.09	105	2853139	8.796	ppbv		98
74) 1,2,4-Trimethylbenzene	16.87	105	2778842	8.320	ppbv		93
75) 1,3-Dichlorobenzene	17.10	146	1494902	8.447	ppbv		99
76) 1,4-Dichlorobenzene	17.24	146	1580993	8.524	ppbv		100
77) 1,2-Dichlorobenzene	17.92	146	1561001	8.616	ppbv		99
78) Hexachloro-1,3-Butadiene	23.48	225	1010981	8.179	ppbv		98
79) Naphthalene	22.33	128	2719206	9.005	ppbv		98
80) Naphthalene,2-methyl-	25.06	142	1035925	9.884	ppbv		99
81) 1,2,4-Trichlorobenzene	22.05	180	1374550	8.366	ppbv		99

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

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