Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
Data File : VL037656.D
Acq On : 23 Sep 2021 11:02
Operator : SY/AP
Sample : VL0923ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 06:46:38 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 1
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL0923ABS01

Manual Integrations APPROVED
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9/27/2021 10:56:24 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1596557	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.18	114	4751537	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.09	117	4340453m	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	3244123	10.34	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	1702526	5.893	ppbv		99
3) Chlorodifluoromethane	2.99	51	2658873	8.829	ppbv		99
4) Chloromethane	3.14	50	973969	8.754	ppbv		98
5) Vinyl Chloride	3.26	62	1012098	9.685	ppbv		97
6) Bromomethane	3.47	94	503651	8.292	ppbv		93
7) Chloroethane	3.56	64	343200	8.787	ppbv		98
8) Dichlorotetrafluoroethane	3.19	85	2095107	8.406	ppbv		100
9) Propene	3.01	41	928071	8.737	ppbv		99
10) Heptane	8.13	43	2408195	9.715	ppbv		100
11) Trichlorofluoromethane	3.95	101	2070462	8.927	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1599312	9.341	ppbv		99
13) Ethanol	3.62	45	81329	7.827	ppbv		99
14) Bromoethene	3.74	108	703098	9.022	ppbv		98
15) Acetone	3.85	43	1157448	6.978	ppbv		96
16) 1,3-Butadiene	3.33	39	960107	9.263	ppbv		99
17) tert-Butyl alcohol	4.29	59	1463156	10.402	ppbv		99
18) 1,1-Dichloroethene	4.29	96	725769	9.100	ppbv		92
19) Isopropyl Alcohol	3.97	45	868120	9.618	ppbv	#	96
20) Methylene Chloride	4.35	84	645810	8.155	ppbv		96
21) Allyl Chloride	4.41	41	1182336	9.541	ppbv		99
22) trans-1,2-Dichloroethene	4.89	96	734546	9.154	ppbv		98
23) Vinyl Acetate	5.08	43	1841157	8.021	ppbv	#	98
24) 1,1-Dichloroethane	5.01	63	1511359	9.191	ppbv		99
25) Ethyl Acetate	5.68	43	3706909	9.227	ppbv		99
26) Hexane	5.69	57	1777476	9.314	ppbv		99
27) Carbon Disulfide	4.55	76	1824910	10.453	ppbv		98
28) Methyl tert-Butyl Ether	5.04	73	1585129	9.430	ppbv		99
29) Chloroform	5.75	83	2475323	8.882	ppbv		94
30) Cyclohexane	7.14	84	1498961	9.184	ppbv		99
31) cis-1,2-Dichloroethene	5.55	61	1622375	9.364	ppbv		96
32) 1,1,1-Trichloroethane	6.51	97	2427086	9.355	ppbv		100
34) 2-Butanone	5.25	43	1360789	7.047	ppbv		99
35) Carbon Tetrachloride	7.02	117	2548429	9.481	ppbv		99
36) Benzene	6.89	78	3631540	9.166	ppbv		98
37) 1,2-Dichloroethane	6.31	62	1780490	9.137	ppbv		99
38) Trichloroethene	7.84	130	1457429	8.806	ppbv		96
39) 1,2-Dichloropropane	7.62	63	1392664	9.177	ppbv		94
40) 1,4-Dioxane	7.84	88	272045m	7.370	ppbv		
41) Tetrahydrofuran	6.05	42	868859	9.572	ppbv		100
42) Bromodichloromethane	7.80	83	2674306	9.575	ppbv		97
43) Methyl Methacrylate	8.02	69	1314969	9.976	ppbv		98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6097518	9.154	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	994592	9.606	ppbv	93
46) cis-1,3-Dichloropropene	8.71	75	1304046	9.324	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1476280	8.794	ppbv	99
48) Dibromochloromethane	10.31	129	2367194	10.108	ppbv	98
49) Bromoform	13.05	173	1885889	10.061	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2378728	9.706	ppbv	99
51) 2-Hexanone	10.14	43	1086411	10.047	ppbv	97
52) Tetrachloroethene	11.23	164	1335188	8.778	ppbv	99
53) Toluene	9.81	91	4291120	9.744	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2113783	9.196	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1623715	9.019	ppbv	99
57) Chlorobenzene	12.15	112	3098214	8.586	ppbv	98
58) Ethyl Benzene	12.71	91	5430365	9.425	ppbv	100
59) m/p-Xylene	13.00	91	9052306m	18.029	ppbv	
60) o-Xylene	13.70	91	4312804	9.025	ppbv	100
61) Styrene	13.53	104	2408653	10.221	ppbv	99
62) Isopropylbenzene	14.67	105	5772731	8.647	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	2959466	7.913	ppbv	99
64) n-propylbenzene	15.56	120	1532345	8.894	ppbv	81
65) tert-Butylbenzene	16.74	119	5145978	8.549	ppbv	100
66) Benzyl Chloride	16.99	91	245783	7.472	ppbv	96
67) sec-Butylbenzene	17.30	105	7106678	8.702	ppbv	98
69) p-Isopropyltoluene	17.65	119	5902343	8.846	ppbv	99
70) n-Butylbenzene	18.55	91	5696344	9.023	ppbv	100
71) 2-Chlorotoluene	15.46	91	4315119	9.019	ppbv	99
72) 4-Ethyltoluene	15.84	105	5030421	9.170	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4476022	8.753	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4687065	8.702	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2828760	8.453	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2576937	7.808	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	2659750	8.380	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1994622	7.467	ppbv	100
79) Naphthalene	22.20	128	3446806	10.423	ppbv	100
80) Naphthalene,2-methyl-	24.97	142	670994	8.877	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2060504	9.705	ppbv	100

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

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