Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
Data File : VL037740.D
Acq On : 1 Oct 2021 12:54
Operator : SY/AP
Sample : VL1001SBS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Manual Integrations APPROVED
MMDadoda
10/4/2021 5:49:54 PM

Quant Time: Oct 02 01:48:05 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1448648	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4264969	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3935745m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2645464	9.30	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1824495	6.960	ppbv	97
3) Chlorodifluoromethane	2.98	51	2498136	9.142	ppbv	99
4) Chloromethane	3.13	50	917029	9.083	ppbv	99
5) Vinyl Chloride	3.25	62	940187	9.915	ppbv	99
6) Bromomethane	3.47	94	473766	8.596	ppbv	95
7) Chloroethane	3.55	64	326194	9.205	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2122163	9.384	ppbv	97
9) Propene	3.00	41	917437	9.518	ppbv	95
10) Heptane	8.10	43	2258348	10.041	ppbv	100
11) Trichlorofluoromethane	3.94	101	1941886	9.227	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1464436	9.427	ppbv	98
13) Ethanol	3.60	45	90078m	9.554	ppbv	
14) Bromoethene	3.73	108	660856	9.346	ppbv	98
15) Acetone	3.84	43	1114000	7.401	ppbv	94
16) 1,3-Butadiene	3.32	39	901969	9.590	ppbv	100
17) tert-Butyl alcohol	4.28	59	1241329	9.726	ppbv	100
18) 1,1-Dichloroethene	4.28	96	659072	9.107	ppbv	98
19) Isopropyl Alcohol	3.95	45	752960	9.194	ppbv #	96
20) Methylene Chloride	4.33	84	580734	8.082	ppbv	98
21) Allyl Chloride	4.40	41	1061074	9.436	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	676362	9.289	ppbv	96
23) Vinyl Acetate	5.06	43	1684064	8.086	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1348237	9.036	ppbv	98
25) Ethyl Acetate	5.66	43	3556302	9.756	ppbv	99
26) Hexane	5.67	57	1691220	9.766	ppbv	100
27) Carbon Disulfide	4.54	76	1635862	10.326	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1387171	9.095	ppbv	99
29) Chloroform	5.74	83	2378171	9.405	ppbv	99
30) Cyclohexane	7.11	84	1413325	9.543	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1564540	9.952	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2271846	9.650	ppbv	99
34) 2-Butanone	5.23	43	1545799	8.919	ppbv	99
35) Carbon Tetrachloride	7.00	117	2382922	9.877	ppbv	98
36) Benzene	6.87	78	3480194	9.786	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1655422	9.464	ppbv	100
38) Trichloroethene	7.82	130	1376626	9.266	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1334285	9.795	ppbv	96
40) 1,4-Dioxane	7.82	88	323840	9.774	ppbv #	1
41) Tetrahydrofuran	6.03	42	843437	10.352	ppbv	99
42) Bromodichloromethane	7.77	83	2498767	9.967	ppbv	99
43) Methyl Methacrylate	8.00	69	1255426	10.611	ppbv	99

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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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5772206	9.654	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	971985	10.459	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1269865	10.116	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1412368	9.373	ppbv	99
48) Dibromochloromethane	10.28	129	2226213	10.590	ppbv	99
49) Bromoform	13.01	173	1775919	10.556	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2233756	10.154	ppbv	98
51) 2-Hexanone	10.11	43	1077250	11.099	ppbv	98
52) Tetrachloroethene	11.20	164	1268826	9.293	ppbv	96
53) Toluene	9.78	91	4019624	10.168	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1985084	9.621	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	1521215	9.318	ppbv	97
57) Chlorobenzene	12.12	112	2886350	8.821	ppbv	99
58) Ethyl Benzene	12.69	91	5064606	9.694	ppbv	98
59) m/p-Xylene	12.97	91	8464684m	18.592	ppbv	
60) o-Xylene	13.67	91	3919119	9.044	ppbv	98
61) Styrene	13.50	104	2194933	10.272	ppbv	97
62) Isopropylbenzene	14.64	105	5560383	9.185	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2868835	8.459	ppbv	99
64) n-propylbenzene	15.54	120	1480386	9.476	ppbv	86
65) tert-Butylbenzene	16.72	119	4913244	9.002	ppbv	99
66) Benzyl Chloride	16.96	91	265437	8.899	ppbv	96
67) sec-Butylbenzene	17.27	105	6834984	9.230	ppbv	99
69) p-Isopropyltoluene	17.63	119	5662584	9.360	ppbv	99
70) n-Butylbenzene	18.52	91	5549705	9.695	ppbv	99
71) 2-Chlorotoluene	15.43	91	4087820	9.423	ppbv	99
72) 4-Ethyltoluene	15.81	105	4719974	9.489	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4268203	9.205	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4466144	9.145	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2702730	8.907	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2594952	8.671	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2626794	9.127	ppbv	98

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

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