Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111821\
Data File : VL038046.D
Acq On : 18 Nov 2021 8:47
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 10:49:34 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Nov 16 09:59:16 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	940781	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2832808	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2542450m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1844041	10.04	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1182932	6.181	ppbv	100
3) Chlorodifluoromethane	2.99	51	1752467	7.165	ppbv	99
4) Chloromethane	3.14	50	606588	6.970	ppbv	98
5) Vinyl Chloride	3.26	62	612342	7.331	ppbv	95
6) Bromomethane	3.48	94	330205	7.396	ppbv	99
7) Chloroethane	3.56	64	209329	7.125	ppbv	90
8) Dichlorotetrafluoroethane	3.19	85	1396980	7.047	ppbv	99
9) Propene	3.02	41	650398	7.051	ppbv	98
10) Heptane	8.12	43	1589446	7.001	ppbv	100
11) Trichlorofluoromethane	3.95	101	1331971	7.044	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	965199	6.585	ppbv	98
13) Ethanol	3.61	45	52720m	6.447	ppbv	
14) Bromoethene	3.74	108	417682	6.816	ppbv	99
15) Acetone	3.85	43	675023	6.103	ppbv	99
16) 1,3-Butadiene	3.33	39	583427	7.123	ppbv	99
17) tert-Butyl alcohol	4.29	59	889689	5.989	ppbv	100
18) 1,1-Dichloroethene	4.29	96	438137	6.477	ppbv	96
19) Isopropyl Alcohol	3.97	45	477169	5.891	ppbv #	41
20) Methylene Chloride	4.34	84	371913	5.732	ppbv	95
21) Allyl Chloride	4.41	41	704547	6.365	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	455171	6.669	ppbv	97
23) Vinyl Acetate	5.07	43	1155636	6.308	ppbv	99
24) 1,1-Dichloroethane	5.01	63	924107	6.467	ppbv	98
25) Ethyl Acetate	5.67	43	2369824	9.108	ppbv	99
26) Hexane	5.68	57	1111342	8.502	ppbv	97
27) Carbon Disulfide	4.55	76	1157910	6.754	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1054975	6.293	ppbv	100
29) Chloroform	5.75	83	1712356	8.697	ppbv	98
30) Cyclohexane	7.13	84	1039139	7.059	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1146181	10.591	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	1782284	7.134	ppbv	100
34) 2-Butanone	5.24	43	1011266	10.823	ppbv	98
35) Carbon Tetrachloride	7.01	117	1802601	9.206	ppbv	99
36) Benzene	6.89	78	2493139	9.252	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1262868	10.097	ppbv	99
38) Trichloroethene	7.83	130	917773	8.383	ppbv	98
39) 1,2-Dichloropropane	7.61	63	983487	9.442	ppbv	99
40) 1,4-Dioxane	7.83	88	241105m	8.976	ppbv	
41) Tetrahydrofuran	6.05	42	617133	9.205	ppbv	99
42) Bromodichloromethane	7.79	83	1888164	9.589	ppbv	100
43) Methyl Methacrylate	8.01	69	910838	9.476	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4011993	8.667	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	823784	10.348	ppbv		99
46) cis-1,3-Dichloropropene	8.70	75	1018824	9.793	ppbv		98
47) 1,1,2-Trichloroethane	9.47	97	1016699	9.609	ppbv		96
48) Dibromochloromethane	10.30	129	1650705	9.596	ppbv		98
49) Bromoform	13.03	173	1186706	8.941	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	1605269	9.528	ppbv		99
51) 2-Hexanone	10.13	43	756444	9.615	ppbv		100
52) Tetrachloroethene	11.22	164	843423	8.291	ppbv		97
53) Toluene	9.80	91	2874221	9.121	ppbv		100
54) 1,2-Dibromoethane	10.60	107	1460738	9.854	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1046190	9.424	ppbv	#	61
57) Chlorobenzene	12.14	112	1996179	9.575	ppbv		97
58) Ethyl Benzene	12.70	91	3666010	9.494	ppbv		99
59) m/p-Xylene	12.99	91	6059419m	18.884	ppbv		
60) o-Xylene	13.69	91	2787932	9.360	ppbv		99
61) Styrene	13.52	104	1632951	9.832	ppbv		98
62) Isopropylbenzene	14.66	105	3946371	9.164	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.67	83	1945006	8.734	ppbv		100
64) n-propylbenzene	15.55	120	1040798	9.480	ppbv		98
65) tert-Butylbenzene	16.73	119	3325142	8.799	ppbv		99
66) Benzyl Chloride	16.98	91	217594	8.246	ppbv		98
67) sec-Butylbenzene	17.29	105	4712593	9.028	ppbv		99
69) p-Isopropyltoluene	17.64	119	3812086	9.059	ppbv		99
70) n-Butylbenzene	18.54	91	3651420	9.465	ppbv		99
71) 2-Chlorotoluene	15.45	91	2885937	9.363	ppbv		98
72) 4-Ethyltoluene	15.83	105	3348254	9.428	ppbv		99
73) 1,3,5-Trimethylbenzene	15.99	105	2924827	9.004	ppbv		98
74) 1,2,4-Trimethylbenzene	16.75	105	2981269	9.115	ppbv		99
75) 1,3-Dichlorobenzene	16.99	146	1710726	9.478	ppbv		99
76) 1,4-Dichlorobenzene	17.13	146	1652938	8.939	ppbv		97
77) 1,2-Dichlorobenzene	17.81	146	1602584	9.259	ppbv		99
78) Hexachloro-1,3-Butadiene	23.37	225	874946	7.793	ppbv		98
79) Naphthalene	22.18	128	1752362	9.767	ppbv		98
80) Naphthalene,2-methyl-	24.96	142	443984	13.106	ppbv		91
81) 1,2,4-Trichlorobenzene	21.91	180	954807	9.410	ppbv		98

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

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