Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111021\
Data File : VL038007.D
Acq On : 10 Nov 2021 12:07
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 04:35:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/11/2021
Supervised By :Mahesh Dadoda 11/17/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1502374	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4433864	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4121042m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2909958	9.71	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1835206	8.670	ppbv	95
3) Chlorodifluoromethane	2.99	51	2546874	9.106	ppbv	100
4) Chloromethane	3.14	50	940843	8.851	ppbv	98
5) Vinyl Chloride	3.25	62	916529	8.947	ppbv	100
6) Bromomethane	3.47	94	492753	8.904	ppbv	100
7) Chloroethane	3.56	64	321395	8.691	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2073689	8.505	ppbv	99
9) Propene	3.00	41	973599	9.709	ppbv	94
10) Heptane	8.11	43	2309114	9.898	ppbv	100
11) Trichlorofluoromethane	3.95	101	1830765	8.686	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1448933	8.818	ppbv	99
13) Ethanol	3.61	45	85788m	8.480	ppbv	
14) Bromoethene	3.74	108	627967	8.737	ppbv	99
15) Acetone	3.84	43	1055720	8.504	ppbv	99
16) 1,3-Butadiene	3.32	39	869839	8.892	ppbv	96
17) tert-Butyl alcohol	4.28	59	1374176	10.646	ppbv	100
18) 1,1-Dichloroethene	4.29	96	658773	8.711	ppbv	94
19) Isopropyl Alcohol	3.96	45	779016	9.813	ppbv #	91
20) Methylene Chloride	4.34	84	566094	8.306	ppbv	96
21) Allyl Chloride	4.41	41	1139138	9.945	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	709347	9.440	ppbv	92
23) Vinyl Acetate	5.07	43	1806121	9.662	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1357574	8.791	ppbv	100
25) Ethyl Acetate	5.67	43	3617038	9.809	ppbv	99
26) Hexane	5.68	57	1650674	9.448	ppbv	98
27) Carbon Disulfide	4.55	76	1723470	9.993	ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	1465939	9.981	ppbv	100
29) Chloroform	5.74	83	2294865	8.808	ppbv	97
30) Cyclohexane	7.12	84	1412659	9.459	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1563198	9.807	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2226085	8.693	ppbv	99
34) 2-Butanone	5.24	43	1170678	7.125	ppbv	97
35) Carbon Tetrachloride	7.01	117	2317031	8.644	ppbv	99
36) Benzene	6.88	78	3496498	9.683	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1666481	9.708	ppbv	98
38) Trichloroethene	7.83	130	1339241	8.936	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1330373	9.792	ppbv	98
40) 1,4-Dioxane	7.83	88	268849m	7.514	ppbv	
41) Tetrahydrofuran	6.04	42	822699	10.234	ppbv	98
42) Bromodichloromethane	7.79	83	2450800	9.443	ppbv	97
43) Methyl Methacrylate	8.01	69	1262720	10.654	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5853377	9.531	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	1049334	12.050	ppbv		97
46) cis-1,3-Dichloropropene	8.70	75	1359050	11.351	ppbv		98
47) 1,1,2-Trichloroethane	9.46	97	1363497	8.932	ppbv		98
48) Dibromochloromethane	10.30	129	2157230	9.981	ppbv		97
49) Bromoform	13.03	173	1621838	9.493	ppbv		98
50) 4-Methyl-2-Pentanone	8.73	43	2198103	10.183	ppbv		99
51) 2-Hexanone	10.12	43	969635	10.658	ppbv	#	98
52) Tetrachloroethene	11.21	164	1232630	8.999	ppbv		97
53) Toluene	9.80	91	3954452	10.216	ppbv		100
54) 1,2-Dibromoethane	10.60	107	1901947	9.661	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1422040	8.547	ppbv		97
57) Chlorobenzene	12.14	112	2772773	8.430	ppbv		99
58) Ethyl Benzene	12.70	91	4844592	9.613	ppbv		98
59) m/p-Xylene	12.99	91	8057000m	17.987	ppbv		
60) o-Xylene	13.68	91	3782906	8.957	ppbv		99
61) Styrene	13.52	104	2041330	10.525	ppbv		98
62) Isopropylbenzene	14.66	105	4995923	8.354	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2564151	7.054	ppbv		98
64) n-propylbenzene	15.55	120	1300364	8.487	ppbv		87
65) tert-Butylbenzene	16.73	119	4331952	8.197	ppbv		100
66) Benzyl Chloride	16.97	91	265672	9.621	ppbv	#	95
67) sec-Butylbenzene	17.28	105	5967257	8.195	ppbv		99
69) p-Isopropyltoluene	17.64	119	4948884	8.474	ppbv		100
70) n-Butylbenzene	18.54	91	4818454	8.978	ppbv		99
71) 2-Chlorotoluene	15.44	91	3560143	8.497	ppbv		98
72) 4-Ethyltoluene	15.83	105	4369935	9.032	ppbv		98
73) 1,3,5-Trimethylbenzene	15.99	105	3734342	8.242	ppbv		100
74) 1,2,4-Trimethylbenzene	16.75	105	3946491	8.314	ppbv	#	93
75) 1,3-Dichlorobenzene	16.99	146	2315153	7.834	ppbv		99
76) 1,4-Dichlorobenzene	17.12	146	2292894	8.018	ppbv		98
77) 1,2-Dichlorobenzene	17.80	146	2195092	7.910	ppbv		100
78) Hexachloro-1,3-Butadiene	23.36	225	1851037	7.793	ppbv		99
79) Naphthalene	22.18	128	3264661	11.937	ppbv		99
80) Naphthalene,2-methyl-	24.96	142	787401	14.790	ppbv		99
81) 1,2,4-Trichlorobenzene	21.91	180	1863173	10.467	ppbv		99

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

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