Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121421\
Data File : VL038182.D
Acq On : 15 Dec 2021 10:16
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 14:01:00 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	961294	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2604977	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	2347188m	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	1898319	11.21	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1216606	7.662	ppbv	99
3) Chlorodifluoromethane	2.97	51	1856658	9.197	ppbv	98
4) Chloromethane	3.12	50	637206	9.272	ppbv	99
5) Vinyl Chloride	3.24	62	645248	9.571	ppbv	99
6) Bromomethane	3.45	94	361476	10.009	ppbv	99
7) Chloroethane	3.53	64	224139	9.368	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	1507867	9.546	ppbv	94
9) Propene	2.99	41	626294	8.424	ppbv	98
10) Heptane	8.08	43	1589897	8.652	ppbv	98
11) Trichlorofluoromethane	3.92	101	1589091	10.523	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1153944	10.802	ppbv	96
13) Ethanol	3.58	45	79086m	11.007	ppbv	
14) Bromoethene	3.72	108	480265	10.040	ppbv	97
15) Acetone	3.83	43	793647	9.522	ppbv	98
16) 1,3-Butadiene	3.30	39	617142	9.491	ppbv	97
17) tert-Butyl alcohol	4.26	59	919574	9.096	ppbv	99
18) 1,1-Dichloroethene	4.26	96	502147	10.247	ppbv	98
19) Isopropyl Alcohol	3.94	45	519726	8.630	ppbv #	97
20) Methylene Chloride	4.32	84	436334	9.347	ppbv	96
21) Allyl Chloride	4.38	41	745494	9.663	ppbv	97
22) trans-1,2-Dichloroethene	4.85	96	540127	10.882	ppbv	98
23) Vinyl Acetate	5.04	43	1158222	9.600	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1060830	10.559	ppbv	97
25) Ethyl Acetate	5.65	43	2414663	8.717	ppbv	99
26) Hexane	5.65	57	1105707	8.282	ppbv	98
27) Carbon Disulfide	4.52	76	1303242	10.897	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1123491	9.906	ppbv	98
29) Chloroform	5.72	83	1789477	9.094	ppbv	98
30) Cyclohexane	7.09	84	970070	8.003	ppbv	94
31) cis-1,2-Dichloroethene	5.51	61	1069888	8.424	ppbv	95
32) 1,1,1-Trichloroethane	6.47	97	1755416	8.790	ppbv	97
34) 2-Butanone	5.21	43	846769	8.061	ppbv	97
35) Carbon Tetrachloride	6.98	117	1841458	10.061	ppbv	96
36) Benzene	6.85	78	2384802	9.177	ppbv	98
37) 1,2-Dichloroethane	6.27	62	1388300	11.062	ppbv	96
38) Trichloroethene	7.79	130	854246	8.715	ppbv	95
39) 1,2-Dichloropropane	7.57	63	941945	9.450	ppbv	93
40) 1,4-Dioxane	7.79	88	229833	8.850	ppbv #	1
41) Tetrahydrofuran	6.01	42	601497	9.225	ppbv	96
42) Bromodichloromethane	7.75	83	2022148	10.599	ppbv	99
43) Methyl Methacrylate	7.97	69	894725	10.064	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3975739	9.145	ppbv		98
45) t-1,3-Dichloropropene	9.23	75	875787	12.282	ppbv		99
46) cis-1,3-Dichloropropene	8.66	75	1114188	11.552	ppbv		95
47) 1,1,2-Trichloroethane	9.43	97	949725	9.097	ppbv		93
48) Dibromochloromethane	10.26	129	1639692	10.314	ppbv		99
49) Bromoform	12.99	173	1263041	11.105	ppbv		98
50) 4-Methyl-2-Pentanone	8.70	43	1650482	10.347	ppbv		98
51) 2-Hexanone	10.09	43	783955	10.446	ppbv	#	94
52) Tetrachloroethene	11.18	164	784761	8.162	ppbv		97
53) Toluene	9.76	91	2707854	9.057	ppbv		97
54) 1,2-Dibromoethane	10.56	107	1431971	9.711	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.08	131	1043520	9.793	ppbv		98
57) Chlorobenzene	12.10	112	1915540	9.105	ppbv		93
58) Ethyl Benzene	12.66	91	3569074	9.200	ppbv		95
59) m/p-Xylene	12.94	91	6188729m	18.951	ppbv		
60) o-Xylene	13.64	91	2852175	9.415	ppbv		95
61) Styrene	13.48	104	1528056	9.408	ppbv		95
62) Isopropylbenzene	14.62	105	3841204	8.932	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.63	83	2118967	9.417	ppbv		99
64) n-propylbenzene	15.51	120	982567	8.969	ppbv		88
65) tert-Butylbenzene	16.69	119	3343243	8.824	ppbv		96
66) Benzyl Chloride	16.93	91	197632	10.293	ppbv	#	91
67) sec-Butylbenzene	17.24	105	4735859	8.971	ppbv		100
69) p-Isopropyltoluene	17.60	119	3824067	9.260	ppbv		98
70) n-Butylbenzene	18.50	91	3928222	9.949	ppbv		99
71) 2-Chlorotoluene	15.40	91	2976137	9.466	ppbv		97
72) 4-Ethyltoluene	15.79	105	3268704	9.306	ppbv		97
73) 1,3,5-Trimethylbenzene	15.95	105	2928556	9.129	ppbv		99
74) 1,2,4-Trimethylbenzene	16.71	105	3103475	9.388	ppbv		97
75) 1,3-Dichlorobenzene	16.94	146	1768439	9.739	ppbv		99
76) 1,4-Dichlorobenzene	17.09	146	1689280	9.245	ppbv		99
77) 1,2-Dichlorobenzene	17.76	146	1672316	9.512	ppbv		99
78) Hexachloro-1,3-Butadiene	23.32	225	879579	8.013	ppbv		99
79) Naphthalene	22.13	128	1600992	9.196	ppbv		100
80) Naphthalene,2-methyl-	24.93	142	344413	9.231	ppbv		96
81) 1,2,4-Trichlorobenzene	21.86	180	908092	9.077	ppbv		99

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

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