Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
Data File : VL039743.D
Acq On : 21 Oct 2022 11:58
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 21 14:25:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Oct 21 14:16:04 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.198	49	983768	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.652	114	2838697	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.458	117	2508337	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.764	95	1786042	9.538	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.751	85	89842m	0.788	ppbv		
3) Chlorodifluoromethane	2.693	51	66143	0.567	ppbv		98
4) Chloromethane	2.832	50	41444	0.588	ppbv		92
5) Vinyl Chloride	2.938	62	29001	0.494	ppbv		90
6) Bromomethane	3.137	94	11125	0.514	ppbv	#	75
7) Chloroethane	3.218	64	10131	0.472	ppbv		94
8) Dichlorotetrafluoroethane	2.877	85	81497	0.596	ppbv		99
9) Propene	2.716	41	29808	0.559	ppbv		94
10) Heptane	7.578	43	55407	0.445	ppbv		93
11) Trichlorofluoromethane	3.574	101	77471	0.549	ppbv		96
12) 1,1,2-Trichlorotrifluo...	4.073	101	65519m	0.614	ppbv		
13) Ethanol	3.272	45	2274m	0.560	ppbv		
14) Bromoethene	3.382	108	22582	0.530	ppbv	#	86
15) Acetone	3.497	43	58614m	0.535	ppbv		
16) 1,3-Butadiene	3.002	39	26280	0.473	ppbv		88
17) tert-Butyl alcohol	3.912	59	42980	0.438	ppbv	#	89
18) 1,1-Dichloroethene	3.893	96	27737m	0.591	ppbv		
19) Isopropyl Alcohol	3.610	45	28490m	0.511	ppbv		
20) Methylene Chloride	3.944	84	26588	0.525	ppbv	#	92
21) Allyl Chloride	4.012	41	40679m	0.546	ppbv		
22) trans-1,2-Dichloroethene	4.455	96	26875	0.579	ppbv		93
23) Vinyl Acetate	4.645	43	24186m	0.489	ppbv		
24) 1,1-Dichloroethane	4.568	63	58727m	0.596	ppbv		
25) Ethyl Acetate	5.221	43	116919	0.490	ppbv	#	97
26) Hexane	5.221	57	47685	0.471	ppbv		90
27) Carbon Disulfide	4.137	76	50672m	0.476	ppbv		
28) Methyl tert-Butyl Ether	4.616	73	42083	0.494	ppbv		94
29) Chloroform	5.279	83	78227	0.535	ppbv	#	83
30) Cyclohexane	6.610	84	39186m	0.500	ppbv		
31) cis-1,2-Dichloroethene	5.086	61	44160m	0.482	ppbv		
32) 1,1,1-Trichloroethane	6.005	97	66949	0.506	ppbv		92
34) 2-Butanone	4.809	43	64980m	0.466	ppbv		
35) Carbon Tetrachloride	6.491	117	72298m	0.480	ppbv		
36) Benzene	6.369	78	98005	0.452	ppbv		97
37) 1,2-Dichloroethane	5.812	62	55008m	0.466	ppbv		
38) Trichloroethene	7.288	130	57000m	0.486	ppbv		
39) 1,2-Dichloropropane	7.073	63	41303m	0.493	ppbv		
40) 1,4-Dioxane	7.324	88	17936m	0.524	ppbv		
41) Tetrahydrofuran	5.584	42	35778m	0.418	ppbv		
42) Bromodichloromethane	7.246	83	68606	0.418	ppbv		99
43) Methyl Methacrylate	7.481	69	31660m	0.400	ppbv		
44) 2,2,4-Trimethylpentane	7.324	57	164863	0.441	ppbv		95
45) t-1,3-Dichloropropene	8.709	75	21936m	0.328	ppbv		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	32317m	0.340	ppbv		
47) 1,1,2-Trichloroethane	8.893	97	43290m	0.473	ppbv		
48) Dibromochloromethane	9.703	129	55457m	0.402	ppbv		
49) Bromoform	12.394	173	40358m	0.354	ppbv		
50) 4-Methyl-2-Pentanone	8.204	43	88619m	0.404	ppbv		
51) 2-Hexanone	9.577	43	55429m	0.342	ppbv		
52) Tetrachloroethene	10.610	164	37224m	0.450	ppbv		
53) Toluene	9.221	91	90882	0.377	ppbv		97
54) 1,2-Dibromoethane	10.002	107	42294m	0.432	ppbv		
56) 1,1,1,2-Tetrachloroethane	11.500	131	48019	0.474	ppbv	#	1
57) Chlorobenzene	11.516	112	88253	0.478	ppbv	#	87
58) Ethyl Benzene	12.079	91	113239m	0.392	ppbv		
59) m/p-Xylene	12.365	91	215846m	0.839	ppbv		
60) o-Xylene	13.050	91	99159	0.403	ppbv		99
61) Styrene	12.892	104	43274m	0.327	ppbv		
62) Isopropylbenzene	14.024	105	161184	0.436	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.034	83	48274m	0.492	ppbv		
64) n-propylbenzene	14.908	120	40662m	0.429	ppbv		
65) tert-Butylbenzene	16.085	119	134173	0.411	ppbv		92
66) Benzyl Chloride	16.314	91	10205m	0.392	ppbv		
67) sec-Butylbenzene	16.629	105	185151	0.404	ppbv		97
69) p-Isopropyltoluene	16.989	119	142120	0.377	ppbv		94
70) n-Butylbenzene	17.883	91	132494	0.359	ppbv		98
71) 2-Chlorotoluene	14.789	91	108877	0.408	ppbv		98
72) 4-Ethyltoluene	15.182	105	109754m	0.391	ppbv		
73) 1,3,5-Trimethylbenzene	15.346	105	107249m	0.418	ppbv		
74) 1,2,4-Trimethylbenzene	16.098	105	121620m	0.423	ppbv		
75) 1,3-Dichlorobenzene	16.320	146	80027m	0.466	ppbv		
76) 1,4-Dichlorobenzene	16.468	146	77561m	0.451	ppbv		
77) 1,2-Dichlorobenzene	17.130	146	76593m	0.457	ppbv		
78) Hexachloro-1,3-Butadiene	22.616	225	64788m	0.506	ppbv		
79) Naphthalene	21.374	128	65895m	0.347	ppbv		
80) Naphthalene,2-methyl-	24.381	142	12475m	0.175	ppbv		
81) 1,2,4-Trichlorobenzene	21.124	180	46329m	0.371	ppbv		

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

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