Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041406.D
Acq On : 25 Jul 2024 19:31
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 29 01:38:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Jul 26 07:31:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072524

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.176	49	1233360	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3392081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3403283m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2574566	9.830	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.709	85	2089346	9.847	ppbv	98
3) Chlorodifluoromethane	2.655	51	1318682	8.981	ppbv	99
4) Chloromethane	2.793	50	699978	8.963	ppbv	100
5) Vinyl Chloride	2.899	62	713101	9.264	ppbv	97
6) Bromomethane	3.099	94	364517	9.214	ppbv	95
7) Chloroethane	3.176	64	252261	9.496	ppbv	96
8) Dichlorotetrafluoroethane	2.835	85	1697946	9.031	ppbv	99
9) Propene	2.674	41	639582	9.482	ppbv	96
10) Heptane	7.568	43	1491349	9.841	ppbv	99
11) Trichlorofluoromethane	3.545	101	1658278	8.800	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	1213196	8.941	ppbv	99
13) Ethanol	3.224	45	37793m	6.269	ppbv	
14) Bromoethene	3.346	108	507449	9.593	ppbv	100
15) Acetone	3.449	43	1230438	8.780	ppbv	99
16) 1,3-Butadiene	2.964	39	668082	8.923	ppbv	96
17) tert-Butyl alcohol	3.857	59	1324286	10.362	ppbv	100
18) 1,1-Dichloroethene	3.861	96	557323	9.602	ppbv	98
19) Isopropyl Alcohol	3.555	45	721368	8.805	ppbv	99
20) Methylene Chloride	3.915	84	448788	8.588	ppbv	97
21) Allyl Chloride	3.980	41	895495	9.744	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	558720	9.627	ppbv	99
23) Vinyl Acetate	4.610	43	1095721	10.238	ppbv	99
24) 1,1-Dichloroethane	4.545	63	1130815	8.974	ppbv	100
25) Ethyl Acetate	5.189	43	2667366	9.581	ppbv	99
26) Hexane	5.198	57	1124469	9.737	ppbv	99
27) Carbon Disulfide	4.105	76	1334231	9.875	ppbv	98
28) Methyl tert-Butyl Ether	4.571	73	697129	9.572	ppbv	99
29) Chloroform	5.259	83	1729039	9.179	ppbv	97
30) Cyclohexane	6.587	84	960876	10.217	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1119982	9.817	ppbv	95
32) 1,1,1-Trichloroethane	5.989	97	1701553	9.280	ppbv	99
34) 2-Butanone	4.771	43	1622167	9.886	ppbv	100
35) Carbon Tetrachloride	6.481	117	1763315	9.425	ppbv	99
36) Benzene	6.359	78	2398715	9.678	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1330637	9.592	ppbv	99
38) Trichloroethene	7.282	130	1077080	9.485	ppbv	98
39) 1,2-Dichloropropane	7.063	63	922512	9.722	ppbv	97
40) 1,4-Dioxane	7.278	88	291753	7.654	ppbv #	37
41) Tetrahydrofuran	5.542	42	998498	10.640	ppbv	99
42) Bromodichloromethane	7.240	83	1912987	9.550	ppbv	98
43) Methyl Methacrylate	7.465	69	968598	10.898	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3920496	9.470	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	983393	12.021	ppbv	97

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.134	75	1301297	11.015	ppbv		96
47)	1,1,2-Trichloroethane	8.893	97	988701	9.452	ppbv		97
48)	Dibromochloromethane	9.703	129	1650868	9.797	ppbv		100
49)	Bromoform	12.404	173	1471871	10.340	ppbv		99
50)	4-Methyl-2-Pentanone	8.169	43	2646380	10.222	ppbv		99
51)	2-Hexanone	9.542	43	2152180	10.994	ppbv	#	100
52)	Tetrachloroethene	10.606	164	919784	9.604	ppbv		99
53)	Toluene	9.211	91	2811445	10.183	ppbv		99
54)	1,2-Dibromoethane	10.002	107	1435862	10.313	ppbv		100
56)	1,1,1,2-Tetrachloroethane	11.503	131	1179925	8.940	ppbv	#	56
57)	Chlorobenzene	11.519	112	2154494	8.892	ppbv		98
58)	Ethyl Benzene	12.082	91	3742890	9.542	ppbv		97
59)	m/p-Xylene	12.368	91	6295312m	18.591	ppbv		
60)	o-Xylene	13.053	91	3021924	9.434	ppbv		99
61)	Styrene	12.889	104	1515228	10.485	ppbv		99
62)	Isopropylbenzene	14.021	105	4395572	9.026	ppbv		99
63)	1,1,2,2-Tetrachloroethane	13.037	83	1799183	8.895	ppbv		99
64)	n-propylbenzene	14.908	120	1178085	9.254	ppbv		99
65)	tert-Butylbenzene	16.082	119	3927896	8.930	ppbv		100
66)	Benzyl Chloride	16.326	91	311587m	11.045	ppbv		
67)	sec-Butylbenzene	16.629	105	5460239	9.010	ppbv		99
69)	p-Isopropyltoluene	16.989	119	4608861	9.165	ppbv		100
70)	n-Butylbenzene	17.879	91	4724502	9.165	ppbv		100
71)	2-Chlorotoluene	14.793	91	3319940	9.245	ppbv		100
72)	4-Ethyltoluene	15.185	105	3595789	9.535	ppbv		99
73)	1,3,5-Trimethylbenzene	15.346	105	3106784	9.563	ppbv		99
74)	1,2,4-Trimethylbenzene	16.101	105	3420961	9.057	ppbv		98
75)	1,3-Dichlorobenzene	16.323	146	2143246	9.027	ppbv		100
76)	1,4-Dichlorobenzene	16.468	146	2089633	9.089	ppbv		100
77)	1,2-Dichlorobenzene	17.137	146	2088726	8.874	ppbv		100
78)	Hexachloro-1,3-Butadiene	22.625	225	1608282	8.012	ppbv		100
79)	Naphthalene	21.374	128	3604007	10.810	ppbv		99
80)	Naphthalene,2-methyl-	24.365	142	3294736	11.790	ppbv		100
81)	1,2,4-Trichlorobenzene	21.130	180	1888152	9.517	ppbv		100

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

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