Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
Data File : VL040984.D
Acq On : 16 Jan 2024 12:56
Operator : SY/MD
Sample : VL0116ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 17 00:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Jan 17 00:20:56 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.201	49	1076069	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2957945	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2928687	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2142353	9.931	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	2260955	11.031	ppbv	99
3) Chlorodifluoromethane	2.671	51	1743443	10.766	ppbv	99
4) Chloromethane	2.809	50	651457	10.911	ppbv	94
5) Vinyl Chloride	2.922	62	644755	11.187	ppbv	97
6) Bromomethane	3.118	94	276634	10.819	ppbv	98
7) Chloroethane	3.198	64	232031	11.292	ppbv	95
8) Dichlorotetrafluoroethane	2.854	85	1676791	11.354	ppbv	98
9) Propene	2.693	41	570622	10.680	ppbv	98
10) Heptane	7.594	43	1471051	11.076	ppbv	99
11) Trichlorofluoromethane	3.565	101	1837066	11.464	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	1318353	10.594	ppbv	98
13) Ethanol	3.240	45	110266	8.180	ppbv	94
14) Bromoethene	3.369	108	527935	11.575	ppbv	99
15) Acetone	3.472	43	1255327	9.727	ppbv	98
16) 1,3-Butadiene	2.983	39	624276	11.234	ppbv	99
17) tert-Butyl alcohol	3.883	59	1164795	12.201	ppbv	98
18) 1,1-Dichloroethene	3.886	96	586487	11.415	ppbv	93
19) Isopropyl Alcohol	3.578	45	765704	11.370	ppbv	100
20) Methylene Chloride	3.938	84	500462	10.879	ppbv	98
21) Allyl Chloride	4.002	41	842818	11.048	ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	627793	10.716	ppbv	94
23) Vinyl Acetate	4.632	43	1412275	9.920	ppbv	98
24) 1,1-Dichloroethane	4.571	63	1240596	9.741	ppbv	100
25) Ethyl Acetate	5.214	43	2289254	10.237	ppbv	99
26) Hexane	5.221	57	987416	9.963	ppbv	99
27) Carbon Disulfide	4.131	76	1462365	10.903	ppbv	97
28) Methyl tert-Butyl Ether	4.594	73	895566	9.738	ppbv	99
29) Chloroform	5.285	83	1773145	10.602	ppbv	98
30) Cyclohexane	6.613	84	918779	11.120	ppbv	99
31) cis-1,2-Dichloroethene	5.089	61	947487	9.307	ppbv	96
32) 1,1,1-Trichloroethane	6.015	97	1822442	11.271	ppbv	99
34) 2-Butanone	4.793	43	1398360	8.937	ppbv	100
35) Carbon Tetrachloride	6.507	117	1932196	10.431	ppbv	98
36) Benzene	6.381	78	2299437	9.944	ppbv	100
37) 1,2-Dichloroethane	5.819	62	1415046	10.213	ppbv	99
38) Trichloroethene	7.307	130	897973	10.340	ppbv	97
39) 1,2-Dichloropropane	7.086	63	903476	9.943	ppbv	96
40) 1,4-Dioxane	7.301	88	357319	9.313	ppbv	97
41) Tetrahydrofuran	5.568	42	938181	9.855	ppbv	98
42) Bromodichloromethane	7.266	83	2025303	10.135	ppbv	98
43) Methyl Methacrylate	7.487	69	945333	10.423	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	3807931	9.695	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	735249	10.926	ppbv	97

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.156	75	886086	10.636	ppbv		98
47)	1,1,2-Trichloroethane	8.912	97	963323	9.994	ppbv		98
48)	Dibromochloromethane	9.729	129	1712142	10.406	ppbv		98
49)	Bromoform	12.426	173	1361202	10.722	ppbv		99
50)	4-Methyl-2-Pentanone	8.195	43	2438249	10.289	ppbv		99
51)	2-Hexanone	9.565	43	1782791	10.452	ppbv	#	100
52)	Tetrachloroethene	10.632	164	778521	9.995	ppbv		99
53)	Toluene	9.237	91	2599937	10.140	ppbv		100
54)	1,2-Dibromoethane	10.024	107	1369182	10.351	ppbv		97
56)	1,1,1,2-Tetrachloroethane	11.529	131	1229869	9.603	ppbv		98
57)	Chlorobenzene	11.545	112	2022379	9.377	ppbv		98
58)	Ethyl Benzene	12.105	91	3545043	9.424	ppbv		100
59)	m/p-Xylene	12.388	91	6057007m	18.930	ppbv		
60)	o-Xylene	13.076	91	2887281	9.577	ppbv		99
61)	Styrene	12.915	104	1461874	10.201	ppbv		99
62)	Isopropylbenzene	14.047	105	4171779	9.331	ppbv		99
63)	1,1,2,2-Tetrachloroethane	13.066	83	2082660	9.589	ppbv		99
64)	n-propylbenzene	14.931	120	1075893	9.594	ppbv		97
65)	tert-Butylbenzene	16.111	119	3633710	9.562	ppbv		99
66)	Benzyl Chloride	16.346	91	193092	7.425	ppbv		98
67)	sec-Butylbenzene	16.654	105	5129049	9.287	ppbv		99
69)	p-Isopropyltoluene	17.011	119	4099792	9.551	ppbv		99
70)	n-Butylbenzene	17.902	91	4343795	9.747	ppbv		99
71)	2-Chlorotoluene	14.815	91	3262428	9.476	ppbv		99
72)	4-Ethyltoluene	15.207	105	3297989	9.967	ppbv		99
73)	1,3,5-Trimethylbenzene	15.368	105	2798828	9.800	ppbv		100
74)	1,2,4-Trimethylbenzene	16.124	105	3074473	9.673	ppbv		97
75)	1,3-Dichlorobenzene	16.346	146	1741308	9.592	ppbv		99
76)	1,4-Dichlorobenzene	16.490	146	1680640	9.463	ppbv		100
77)	1,2-Dichlorobenzene	17.156	146	1648318	9.424	ppbv		100
78)	Hexachloro-1,3-Butadiene	22.654	225	875583	8.140	ppbv		99
79)	Naphthalene	21.403	128	1935847	12.641	ppbv		98
80)	Naphthalene,2-methyl-	24.394	142	354673	12.671	ppbv		95
81)	1,2,4-Trichlorobenzene	21.162	180	985886	11.214	ppbv		98

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

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