

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040991.D
 Acq On : 23 Jan 2024 10:23
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jan 23 10:54:15 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 23 10:53:56 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/24/2024
 Supervised By : Mahesh Dadoda 01/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.153	49	1101778	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.613	114	2842098	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2677999	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.728 95 1958718 9.930 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.697	85	501615	2.390	ppbv	97
3) Chlorodifluoromethane	2.642	51	381361	2.300	ppbv	99
4) Chloromethane	2.780	50	140844	2.304	ppbv	94
5) Vinyl Chloride	2.890	62	148910	2.523	ppbv	98
6) Bromomethane	3.086	94	59650	2.278	ppbv	99
7) Chloroethane	3.163	64	49736	2.364	ppbv	96
8) Dichlorotetrafluoroethane	2.822	85	379760	2.511	ppbv	98
9) Propene	2.661	41	132649	2.425	ppbv	95
10) Heptane	7.536	43	315228	2.318	ppbv	99
11) Trichlorofluoromethane	3.526	101	406232	2.476	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.028	101	287872	2.259	ppbv	94
13) Ethanol	3.208	45	33908m	2.457	ppbv	
14) Bromoethene	3.330	108	114701	2.456	ppbv	94
15) Acetone	3.439	43	302654	2.290	ppbv	98
16) 1,3-Butadiene	2.951	39	138096	2.427	ppbv	99
17) tert-Butyl alcohol	3.848	59	234399	2.398	ppbv	100
18) 1,1-Dichloroethene	3.845	96	127396	2.422	ppbv	97
19) Isopropyl Alcohol	3.546	45	164347	2.384	ppbv #	97
20) Methylene Chloride	3.896	84	110160	2.339	ppbv	82
21) Allyl Chloride	3.957	41	176046	2.254	ppbv	99
22) trans-1,2-Dichloroethene	4.414	96	125173	2.087	ppbv	91
23) Vinyl Acetate	4.591	43	296677m	2.035	ppbv	
24) 1,1-Dichloroethane	4.526	63	256877	1.970	ppbv	98
25) Ethyl Acetate	5.169	43	535262	2.338	ppbv	99
26) Hexane	5.172	57	234954	2.315	ppbv	98
27) Carbon Disulfide	4.089	76	305569	2.225	ppbv	99
28) Methyl tert-Butyl Ether	4.555	73	184741	1.962	ppbv	95
29) Chloroform	5.234	83	408221	2.384	ppbv	99
30) Cyclohexane	6.561	84	193279	2.285	ppbv	91
31) cis-1,2-Dichloroethene	5.037	61	222299	2.133	ppbv	96
32) 1,1,1-Trichloroethane	5.960	97	397077	2.398	ppbv	99
34) 2-Butanone	4.751	43	285029	1.896	ppbv	99
35) Carbon Tetrachloride	6.455	117	417570	2.346	ppbv	94
36) Benzene	6.330	78	501756	2.258	ppbv	96
37) 1,2-Dichloroethane	5.764	62	310103	2.329	ppbv	100
38) Trichloroethene	7.246	130	194026	2.325	ppbv	94
39) 1,2-Dichloropropane	7.034	63	198024	2.268	ppbv	95
40) 1,4-Dioxane	7.259	88	77719m	2.108	ppbv	
41) Tetrahydrofuran	5.526	42	196960	2.153	ppbv	98
42) Bromodichloromethane	7.208	83	439387	2.288	ppbv	95
43) Methyl Methacrylate	7.439	69	198913	2.282	ppbv	100
44) 2,2,4-Trimethylpentane	7.285	57	864098	2.290	ppbv	100
45) t-1,3-Dichloropropene	8.671	75	127188	1.967	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.102	75	156385	1.954	ppbv	93
47) 1,1,2-Trichloroethane	8.854	97	207676	2.242	ppbv	95
48) Dibromochloromethane	9.667	129	355781	2.251	ppbv	99
49) Bromoform	12.359	173	290727	2.383	ppbv	100
50) 4-Methyl-2-Pentanone	8.147	43	519108	2.280	ppbv	100
51) 2-Hexanone	9.516	43	373913	2.281	ppbv #	99
52) Tetrachloroethene	10.571	164	167164	2.234	ppbv	94
53) Toluene	9.179	91	553782	2.248	ppbv	100
54) 1,2-Dibromoethane	9.967	107	298784	2.351	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.465	131	264698	2.260	ppbv #	1
57) Chlorobenzene	11.484	112	454653	2.305	ppbv	98
58) Ethyl Benzene	12.047	91	769779	2.238	ppbv	98
59) m/p-Xylene	12.330	91	1347704m	4.606	ppbv	
60) o-Xylene	13.011	91	654264	2.373	ppbv	99
61) Styrene	12.854	104	295172	2.252	ppbv	98
62) Isopropylbenzene	13.989	105	953848	2.333	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.002	83	500438	2.520	ppbv	99
64) n-propylbenzene	14.873	120	243546	2.375	ppbv	92
65) tert-Butylbenzene	16.047	119	856997	2.466	ppbv	96
66) Benzyl Chloride	16.291	91	52997m	2.229	ppbv	
67) sec-Butylbenzene	16.593	105	1254225	2.484	ppbv	99
69) p-Isopropyltoluene	16.953	119	983136	2.505	ppbv	98
70) n-Butylbenzene	17.847	91	1095680	2.689	ppbv	97
71) 2-Chlorotoluene	14.757	91	741087	2.354	ppbv	100
72) 4-Ethyltoluene	15.153	105	722381	2.388	ppbv	99
73) 1,3,5-Trimethylbenzene	15.307	105	654768	2.507	ppbv	98
74) 1,2,4-Trimethylbenzene	16.063	105	744855	2.563	ppbv	98
75) 1,3-Dichlorobenzene	16.285	146	416233	2.507	ppbv	100
76) 1,4-Dichlorobenzene	16.429	146	394924	2.432	ppbv	97
77) 1,2-Dichlorobenzene	17.101	146	418337	2.616	ppbv	98
78) Hexachloro-1,3-Butadiene	22.587	225	276405m	2.810	ppbv	
79) Naphthalene	21.342	128	499178	3.565	ppbv	96
80) Naphthalene,2-methyl-	24.345	142	70680	2.762	ppbv	93
81) 1,2,4-Trichlorobenzene	21.098	180	243475	3.029	ppbv	97

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

