

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041353.D
 Acq On : 26 Jun 2024 9:33
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024
 Supervised By :Mahesh Dadoda 06/27/2024

Quant Time: Jun 26 10:03:17 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Wed Jun 26 09:48:16 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1103738	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2955845	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2842646	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2032676 9.261 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	385664	2.188	ppbv	99
3) Chlorodifluoromethane	2.681	51	420339	2.410	ppbv	99
4) Chloromethane	2.819	50	161055	2.453	ppbv	94
5) Vinyl Chloride	2.925	62	163742	2.476	ppbv	98
6) Bromomethane	3.128	94	56481	2.402	ppbv	96
7) Chloroethane	3.205	64	58242	2.558	ppbv	99
8) Dichlorotetrafluoroethane	2.864	85	392982	2.424	ppbv	97
9) Propene	2.700	41	138274	2.226	ppbv	94
10) Heptane	7.590	43	343882	2.335	ppbv	98
11) Trichlorofluoromethane	3.568	101	406466	2.509	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.076	101	283262	2.475	ppbv	100
13) Ethanol	3.259	45	40630	2.514	ppbv	83
14) Bromoethene	3.372	108	110039	2.376	ppbv #	89
15) Acetone	3.481	43	337770	2.680	ppbv	99
16) 1,3-Butadiene	2.993	39	163750	2.585	ppbv	98
17) tert-Butyl alcohol	3.890	59	270878	2.335	ppbv	98
18) 1,1-Dichloroethene	3.890	96	122850	2.516	ppbv	90
19) Isopropyl Alcohol	3.587	45	202686	2.560	ppbv #	97
20) Methylene Chloride	3.941	84	117951	2.575	ppbv	92
21) Allyl Chloride	4.005	41	195465	2.448	ppbv	98
22) trans-1,2-Dichloroethene	4.459	96	123502	2.427	ppbv	89
23) Vinyl Acetate	4.636	43	326031	2.530	ppbv	99
24) 1,1-Dichloroethane	4.574	63	277829	2.450	ppbv	98
25) Ethyl Acetate	5.218	43	606856	2.434	ppbv	99
26) Hexane	5.224	57	267171	2.383	ppbv	96
27) Carbon Disulfide	4.134	76	325836	2.624	ppbv	98
28) Methyl tert-Butyl Ether	4.600	73	197031	2.371	ppbv	99
29) Chloroform	5.282	83	400284	2.327	ppbv	95
30) Cyclohexane	6.613	84	214926	2.365	ppbv	94
31) cis-1,2-Dichloroethene	5.089	61	252868	2.387	ppbv	98
32) 1,1,1-Trichloroethane	6.012	97	386837	2.374	ppbv	99
34) 2-Butanone	4.803	43	353585	2.497	ppbv	98
35) Carbon Tetrachloride	6.507	117	410281	2.442	ppbv	95
36) Benzene	6.381	78	548004	2.392	ppbv	96
37) 1,2-Dichloroethane	5.819	62	304601	2.280	ppbv	100
38) Trichloroethene	7.304	130	209972	2.261	ppbv	99
39) 1,2-Dichloropropane	7.089	63	213761	2.343	ppbv	91
40) 1,4-Dioxane	7.311	88	70156	2.100	ppbv #	1
41) Tetrahydrofuran	5.578	42	212998	2.312	ppbv	96
42) Bromodichloromethane	7.262	83	437687	2.282	ppbv	100
43) Methyl Methacrylate	7.491	69	207813	2.381	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	952935	2.418	ppbv	98
45) t-1,3-Dichloropropene	8.725	75	131409	2.231	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	178617	2.356	ppbv	94
47) 1,1,2-Trichloroethane	8.915	97	221722m	2.326	ppbv	
48) Dibromochloromethane	9.722	129	366878	2.335	ppbv	100
49) Bromoform	12.423	173	289680	2.288	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	589141	2.513	ppbv	99
51) 2-Hexanone	9.571	43	430827	2.586	ppbv #	99
52) Tetrachloroethene	10.629	164	197734	2.367	ppbv	96
53) Toluene	9.237	91	628880	2.386	ppbv	100
54) 1,2-Dibromoethane	10.021	107	284321	2.288	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	278410	2.316	ppbv #	1
57) Chlorobenzene	11.539	112	491228m	2.326	ppbv	
58) Ethyl Benzene	12.105	91	853495	2.342	ppbv	97
59) m/p-Xylene	12.384	91	1472492m	4.717	ppbv	
60) o-Xylene	13.069	91	697629	2.344	ppbv	99
61) Styrene	12.915	104	336779	2.308	ppbv	98
62) Isopropylbenzene	14.044	105	1068148	2.373	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.063	83	496501	2.345	ppbv	98
64) n-propylbenzene	14.937	120	280106m	2.415	ppbv	
65) tert-Butylbenzene	16.108	119	968993	2.422	ppbv	99
66) Benzyl Chloride	16.349	91	64112m	2.435	ppbv	
67) sec-Butylbenzene	16.648	105	1379484	2.440	ppbv	100
69) p-Isopropyltoluene	17.008	119	1145473	2.459	ppbv	99
70) n-Butylbenzene	17.905	91	1166711	2.414	ppbv	99
71) 2-Chlorotoluene	14.815	91	798779	2.319	ppbv	99
72) 4-Ethyltoluene	15.204	105	837214	2.415	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	695292	2.310	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	801857	2.356	ppbv	93
75) 1,3-Dichlorobenzene	16.346	146	471761	2.361	ppbv	97
76) 1,4-Dichlorobenzene	16.490	146	459787m	2.303	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	473920	2.370	ppbv	98
78) Hexachloro-1,3-Butadiene	22.657	225	359431	2.193	ppbv	99
79) Naphthalene	21.419	128	446391	1.512	ppbv	96
81) 1,2,4-Trichlorobenzene	21.175	180	262223m	1.592	ppbv	

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

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