

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041351.D
 Acq On : 26 Jun 2024 8:12
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jun 26 09:48:59 2024

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

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

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin
 Yesilyurt

06/27/2024

Supervised By : Mahesh
 Dadoda

06/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.198	49	1084608	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2901573	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2619303	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2022181 9.999 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	125778	0.726	ppbv	97
3) Chlorodifluoromethane	2.671	51	106482	0.621	ppbv	100
4) Chloromethane	2.812	50	38308	0.594	ppbv	94
5) Vinyl Chloride	2.919	62	41141	0.633	ppbv	95
6) Bromomethane	3.121	94	14192	0.614	ppbv	95
7) Chloroethane	3.195	64	13659	0.610	ppbv	91
8) Dichlorotetrafluoroethane	2.854	85	97681	0.613	ppbv	95
9) Propene	2.690	41	35344	0.579	ppbv	88
10) Heptane	7.584	43	82153m	0.568	ppbv	
11) Trichlorofluoromethane	3.565	101	97499	0.612	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.073	101	70631	0.628	ppbv	100
13) Ethanol	3.263	45	8086m	0.509	ppbv	
14) Bromoethene	3.365	108	26075	0.573	ppbv #	93
15) Acetone	3.488	43	88122	0.712	ppbv	99
16) 1,3-Butadiene	2.983	39	36612	0.588	ppbv	91
17) tert-Butyl alcohol	3.902	59	59630	0.523	ppbv #	93
18) 1,1-Dichloroethene	3.880	96	30742	0.641	ppbv	95
19) Isopropyl Alcohol	3.597	45	36390	0.468	ppbv #	94
20) Methylene Chloride	3.941	84	31150m	0.692	ppbv	
21) Allyl Chloride	3.999	41	45261	0.577	ppbv	87
22) trans-1,2-Dichloroethene	4.452	96	29316	0.586	ppbv	87
23) Vinyl Acetate	4.639	43	65522	0.517	ppbv	98
24) 1,1-Dichloroethane	4.565	63	62418	0.560	ppbv #	98
25) Ethyl Acetate	5.221	43	141066	0.576	ppbv	98
26) Hexane	5.214	57	59593	0.541	ppbv	87
27) Carbon Disulfide	4.128	76	69923	0.573	ppbv #	90
28) Methyl tert-Butyl Ether	4.607	73	45033	0.552	ppbv	92
29) Chloroform	5.279	83	96624	0.572	ppbv	89
30) Cyclohexane	6.613	84	44670	0.500	ppbv	93
31) cis-1,2-Dichloroethene	5.086	61	54541	0.524	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	91223	0.570	ppbv	96
34) 2-Butanone	4.809	43	80221	0.577	ppbv	99
35) Carbon Tetrachloride	6.500	117	91493	0.555	ppbv	95
36) Benzene	6.378	78	121390	0.540	ppbv	95
37) 1,2-Dichloroethane	5.812	62	68657	0.524	ppbv #	96
38) Trichloroethene	7.307	130	44086	0.484	ppbv	86
39) 1,2-Dichloropropane	7.086	63	46843	0.523	ppbv	94
40) 1,4-Dioxane	7.324	88	17753m	0.541	ppbv	
41) Tetrahydrofuran	5.587	42	50910m	0.563	ppbv	
42) Bromodichloromethane	7.256	83	103453	0.549	ppbv	95
43) Methyl Methacrylate	7.491	69	43759m	0.511	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	211725	0.547	ppbv	97
45) t-1,3-Dichloropropene	8.722	75	26095m	0.451	ppbv	

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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	35312	0.474	ppbv	95
47) 1,1,2-Trichloroethane	8.905	97	52953m	0.566	ppbv	
48) Dibromochloromethane	9.725	129	75523	0.490	ppbv	100
49) Bromoform	12.417	173	61457m	0.494	ppbv	
50) 4-Methyl-2-Pentanone	8.211	43	128836m	0.560	ppbv	
51) 2-Hexanone	9.590	43	78965	0.483	ppbv #	98
52) Tetrachloroethene	10.629	164	46796	0.571	ppbv	91
53) Toluene	9.230	91	133162	0.515	ppbv	100
54) 1,2-Dibromoethane	10.024	107	60885	0.499	ppbv	82
56) 1,1,1,2-Tetrachloroethane	11.523	131	61446	0.555	ppbv #	1
57) Chlorobenzene	11.539	112	118852	0.611	ppbv #	87
58) Ethyl Benzene	12.101	91	177986	0.530	ppbv	98
59) m/p-Xylene	12.378	91	325747m	1.132	ppbv	
60) o-Xylene	13.076	91	153148m	0.558	ppbv	
61) Styrene	12.912	104	65473m	0.487	ppbv	
62) Isopropylbenzene	14.047	105	233118	0.562	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.066	83	113594	0.582	ppbv	95
64) n-propylbenzene	14.931	120	57438m	0.537	ppbv	
65) tert-Butylbenzene	16.108	119	208481	0.565	ppbv	97
66) Benzyl Chloride	16.359	91	12360m	0.509	ppbv	
67) sec-Butylbenzene	16.651	105	302075	0.580	ppbv	99
69) p-Isopropyltoluene	17.011	119	234358	0.546	ppbv	97
70) n-Butylbenzene	17.908	91	235285	0.528	ppbv	100
71) 2-Chlorotoluene	14.818	91	179986m	0.567	ppbv	
72) 4-Ethyltoluene	15.207	105	164179	0.514	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.368	105	156147m	0.563	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	175262	0.559	ppbv #	88
75) 1,3-Dichlorobenzene	16.349	146	97550	0.530	ppbv	91
76) 1,4-Dichlorobenzene	16.490	146	98244	0.534	ppbv	91
77) 1,2-Dichlorobenzene	17.166	146	105977m	0.575	ppbv	
78) Hexachloro-1,3-Butadiene	22.651	225	83746m	0.555	ppbv	
79) Naphthalene	21.413	128	64645m	0.238	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	41840m	0.276	ppbv	

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

