

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041119.D
 Acq On : 4 Apr 2024 8:46
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 04:14:27 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	1397898	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3576867	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.503	117	3217481	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.812 95 2653807 10.294 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.738	85	147862	0.617	ppbv	95
3) Chlorodifluoromethane	2.684	51	118679	0.551	ppbv	99
4) Chloromethane	2.825	50	43418	0.533	ppbv #	87
5) Vinyl Chloride	2.931	62	44273	0.569	ppbv	99
6) Bromomethane	3.131	94	15785	0.533	ppbv	82
7) Chloroethane	3.208	64	16643	0.587	ppbv #	83
8) Dichlorotetrafluoroethane	2.867	85	112682	0.552	ppbv	98
9) Propene	2.706	41	33141	0.484	ppbv	98
10) Heptane	7.616	43	76092	0.468	ppbv	98
11) Trichlorofluoromethane	3.578	101	116466	0.537	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.086	101	87365	0.557	ppbv	99
13) Ethanol	3.279	45	9019m	0.565	ppbv	
14) Bromoethene	3.382	108	31496	0.510	ppbv #	92
15) Acetone	3.500	43	82162	0.543	ppbv	91
16) 1,3-Butadiene	2.999	39	40315m	0.543	ppbv	
17) tert-Butyl alcohol	3.915	59	70051	0.510	ppbv	96
18) 1,1-Dichloroethene	3.902	96	35326m	0.527	ppbv	
19) Isopropyl Alcohol	3.613	45	49300m	0.530	ppbv	
20) Methylene Chloride	3.957	84	41263	0.661	ppbv	93
21) Allyl Chloride	4.018	41	44615	0.484	ppbv	90
22) trans-1,2-Dichloroethene	4.472	96	35189	0.504	ppbv	95
23) Vinyl Acetate	4.658	43	72572	0.462	ppbv #	96
24) 1,1-Dichloroethane	4.587	63	76901	0.547	ppbv #	98
25) Ethyl Acetate	5.243	43	144571	0.509	ppbv #	98
26) Hexane	5.237	57	60228	0.472	ppbv #	82
27) Carbon Disulfide	4.150	76	79167	0.511	ppbv	95
28) Methyl tert-Butyl Ether	4.619	73	49487	0.514	ppbv	97
29) Chloroform	5.304	83	114616	0.533	ppbv	92
30) Cyclohexane	6.635	84	56784m	0.554	ppbv	
31) cis-1,2-Dichloroethene	5.102	61	57219m	0.474	ppbv	
32) 1,1,1-Trichloroethane	6.034	97	99881	0.503	ppbv	91
34) 2-Butanone	4.828	43	80499	0.521	ppbv	97
35) Carbon Tetrachloride	6.520	117	105811	0.518	ppbv	98
36) Benzene	6.404	78	124334	0.474	ppbv	96
37) 1,2-Dichloroethane	5.832	62	83240	0.528	ppbv	99
38) Trichloroethene	7.330	130	46228	0.485	ppbv #	88
39) 1,2-Dichloropropane	7.102	63	54535m	0.524	ppbv	
40) 1,4-Dioxane	7.356	88	17009m	0.476	ppbv	
41) Tetrahydrofuran	5.610	42	46653m	0.472	ppbv	
42) Bromodichloromethane	7.278	83	109738	0.487	ppbv	91
43) Methyl Methacrylate	7.513	69	39846m	0.437	ppbv	
44) 2,2,4-Trimethylpentane	7.362	57	206574	0.475	ppbv	93
45) t-1,3-Dichloropropene	8.745	75	21683m	0.369	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.182	75	29272m	0.391	ppbv	
47) 1,1,2-Trichloroethane	8.934	97	53862	0.481	ppbv	95
48) Dibromochloromethane	9.745	129	80455m	0.453	ppbv	
49) Bromoform	12.442	173	60400m	0.429	ppbv	
50) 4-Methyl-2-Pentanone	8.240	43	112979m	0.426	ppbv	
51) 2-Hexanone	9.613	43	71446m	0.389	ppbv	
52) Tetrachloroethene	10.651	164	41693m	0.496	ppbv	
53) Toluene	9.259	91	109603	0.395	ppbv	98
54) 1,2-Dibromoethane	10.047	107	71837m	0.515	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.545	131	69778m	0.530	ppbv	
57) Chlorobenzene	11.561	112	119235m	0.547	ppbv	
58) Ethyl Benzene	12.130	91	152318	0.435	ppbv	95
59) m/p-Xylene	12.404	91	300504m	0.949	ppbv	
60) o-Xylene	13.098	91	137803	0.457	ppbv	97
61) Styrene	12.931	104	47369m	0.355	ppbv	
62) Isopropylbenzene	14.069	105	213848	0.478	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.089	83	126928	0.534	ppbv	97
64) n-propylbenzene	14.953	120	52114	0.466	ppbv	82
65) tert-Butylbenzene	16.133	119	175902	0.450	ppbv	90
66) Benzyl Chloride	16.368	91	12256m	0.476	ppbv	
67) sec-Butylbenzene	16.674	105	261583	0.464	ppbv	98
69) p-Isopropyltoluene	17.040	119	197913m	0.451	ppbv	
70) n-Butylbenzene	17.934	91	216594m	0.453	ppbv	
71) 2-Chlorotoluene	14.834	91	165326m	0.483	ppbv	
72) 4-Ethyltoluene	15.230	105	148873m	0.448	ppbv	
73) 1,3,5-Trimethylbenzene	15.394	105	125378	0.424	ppbv	92
74) 1,2,4-Trimethylbenzene	16.146	105	157640	0.463	ppbv #	92
75) 1,3-Dichlorobenzene	16.375	146	96260m	0.487	ppbv	
76) 1,4-Dichlorobenzene	16.513	146	96357m	0.501	ppbv	
77) 1,2-Dichlorobenzene	17.182	146	97063m	0.505	ppbv	
78) Hexachloro-1,3-Butadiene	22.677	225	65828m	0.516	ppbv	
79) Naphthalene	21.435	128	82489m	0.385	ppbv	
80) Naphthalene,2-methyl-	24.435	142	13390m	0.357	ppbv	
81) 1,2,4-Trichlorobenzene	21.194	180	50361m	0.408	ppbv	

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

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