

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041085.D
 Acq On : 11 Mar 2024 13:00
 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 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:50:52 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1447474	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3708598	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3320277	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2648169 10.201 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	143814	0.521	ppbv	95
3) Chlorodifluoromethane	2.671	51	112247	0.528	ppbv	96
4) Chloromethane	2.809	50	42688	0.531	ppbv	95
5) Vinyl Chloride	2.922	62	41556	0.508	ppbv #	87
6) Bromomethane	3.118	94	15987	0.492	ppbv	82
7) Chloroethane	3.198	64	14942m	0.519	ppbv	
8) Dichlorotetrafluoroethane	2.851	85	104327	0.521	ppbv	98
9) Propene	2.693	41	35473	0.501	ppbv	93
10) Heptane	7.590	43	79593	0.470	ppbv	97
11) Trichlorofluoromethane	3.565	101	108833	0.512	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.070	101	82415	0.527	ppbv	100
13) Ethanol	3.259	45	11735m	0.655	ppbv	
14) Bromoethene	3.365	108	30791	0.505	ppbv #	93
15) Acetone	3.484	43	92027	0.558	ppbv	97
16) 1,3-Butadiene	2.983	39	36200	0.466	ppbv	91
17) tert-Butyl alcohol	3.899	59	62399	0.509	ppbv	99
18) 1,1-Dichloroethene	3.880	96	35916	0.522	ppbv	88
19) Isopropyl Alcohol	3.594	45	45571	0.517	ppbv	100
20) Methylene Chloride	3.941	84	39444	0.614	ppbv	85
21) Allyl Chloride	4.002	41	48715	0.523	ppbv	96
22) trans-1,2-Dichloroethene	4.452	96	33083	0.404	ppbv	97
23) Vinyl Acetate	4.642	43	77840m	0.425	ppbv	
24) 1,1-Dichloroethane	4.571	63	70290	0.417	ppbv	99
25) Ethyl Acetate	5.221	43	141461	0.476	ppbv #	97
26) Hexane	5.221	57	66763m	0.501	ppbv	
27) Carbon Disulfide	4.127	76	71306	0.448	ppbv #	89
28) Methyl tert-Butyl Ether	4.607	73	50447	0.430	ppbv	95
29) Chloroform	5.279	83	109139	0.476	ppbv	85
30) Cyclohexane	6.610	84	60276m	0.553	ppbv	
31) cis-1,2-Dichloroethene	5.082	61	57894	0.449	ppbv	95
32) 1,1,1-Trichloroethane	6.012	97	100532	0.490	ppbv	92
34) 2-Butanone	4.799	43	86046m	0.467	ppbv	
35) Carbon Tetrachloride	6.507	117	107554m	0.498	ppbv	
36) Benzene	6.375	78	132588	0.480	ppbv #	92
37) 1,2-Dichloroethane	5.819	62	80242	0.483	ppbv #	95
38) Trichloroethene	7.304	130	48804	0.474	ppbv	93
39) 1,2-Dichloropropane	7.082	63	55989m	0.507	ppbv	
40) 1,4-Dioxane	7.330	88	20544m	0.472	ppbv	
41) Tetrahydrofuran	5.590	42	54899m	0.503	ppbv	
42) Bromodichloromethane	7.259	83	110283	0.463	ppbv	91
43) Methyl Methacrylate	7.494	69	45004m	0.422	ppbv	
44) 2,2,4-Trimethylpentane	7.343	57	221630m	0.480	ppbv	
45) t-1,3-Dichloropropene	8.722	75	26152m	0.353	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	38973m	0.422	ppbv	
47) 1,1,2-Trichloroethane	8.918	97	59997m	0.508	ppbv	
48) Dibromochloromethane	9.722	129	82864m	0.431	ppbv	
49) Bromoform	12.420	173	59717	0.391	ppbv	98
50) 4-Methyl-2-Pentanone	8.211	43	112325	0.415	ppbv	96
51) 2-Hexanone	9.594	43	82180m	0.410	ppbv	
52) Tetrachloroethene	10.629	164	44989m	0.524	ppbv	
53) Toluene	9.237	91	126110	0.424	ppbv	99
54) 1,2-Dibromoethane	10.024	107	70272m	0.464	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.519	131	71930m	0.506	ppbv	
57) Chlorobenzene	11.536	112	115492	0.486	ppbv #	85
58) Ethyl Benzene	12.105	91	173860	0.447	ppbv	93
59) m/p-Xylene	12.388	91	314624m	0.922	ppbv	
60) o-Xylene	13.072	91	151509m	0.468	ppbv	
61) Styrene	12.912	104	56614m	0.383	ppbv	
62) Isopropylbenzene	14.047	105	232617	0.483	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	128400	0.519	ppbv	99
64) n-propylbenzene	14.934	120	55633m	0.459	ppbv	
65) tert-Butylbenzene	16.108	119	195494m	0.468	ppbv	
66) Benzyl Chloride	16.358	91	12492m	0.444	ppbv	
67) sec-Butylbenzene	16.654	105	282060	0.469	ppbv	97
69) p-Isopropyltoluene	17.014	119	204998	0.437	ppbv	98
70) n-Butylbenzene	17.908	91	216852	0.428	ppbv	99
71) 2-Chlorotoluene	14.822	91	169024	0.459	ppbv	100
72) 4-Ethyltoluene	15.211	105	148632	0.417	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.365	105	137727	0.436	ppbv	88
74) 1,2,4-Trimethylbenzene	16.127	105	166779	0.463	ppbv	92
75) 1,3-Dichlorobenzene	16.349	146	96158	0.467	ppbv	94
76) 1,4-Dichlorobenzene	16.494	146	104758m	0.506	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	94635	0.466	ppbv	94
78) Hexachloro-1,3-Butadiene	22.657	225	77311m	0.544	ppbv	
79) Naphthalene	21.419	128	84707m	0.399	ppbv	
80) Naphthalene,2-methyl-	24.416	142	10409m	0.376	ppbv	
81) 1,2,4-Trichlorobenzene	21.175	180	49755m	0.410	ppbv	

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

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