

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041083.D
 Acq On : 11 Mar 2024 11:45
 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 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:49:34 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	1505657	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3896914	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3705350	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2758096 9.520 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	608857	2.122	ppbv	94
3) Chlorodifluoromethane	2.671	51	467431	2.114	ppbv	100
4) Chloromethane	2.809	50	176848	2.113	ppbv	94
5) Vinyl Chloride	2.919	62	173983	2.043	ppbv	96
6) Bromomethane	3.121	94	73584	2.179	ppbv	92
7) Chloroethane	3.198	64	61514	2.052	ppbv	95
8) Dichlorotetrafluoroethane	2.854	85	432246	2.075	ppbv	97
9) Propene	2.690	41	158946	2.158	ppbv	99
10) Heptane	7.594	43	381965	2.168	ppbv	97
11) Trichlorofluoromethane	3.565	101	465159	2.103	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.073	101	339098	2.085	ppbv	98
13) Ethanol	3.253	45	40423	2.169	ppbv	91
14) Bromoethene	3.366	108	131520	2.074	ppbv	97
15) Acetone	3.472	43	396079	2.309	ppbv	97
16) 1,3-Butadiene	2.986	39	169409m	2.098	ppbv	
17) tert-Butyl alcohol	3.883	59	259629	2.036	ppbv	100
18) 1,1-Dichloroethene	3.883	96	148534	2.074	ppbv	98
19) Isopropyl Alcohol	3.584	45	197545	2.156	ppbv	100
20) Methylene Chloride	3.938	84	136280	2.038	ppbv	93
21) Allyl Chloride	3.999	41	201357	2.078	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	190222	2.231	ppbv	89
23) Vinyl Acetate	4.636	43	408723	2.146	ppbv	# 98
24) 1,1-Dichloroethane	4.568	63	390249	2.225	ppbv	99
25) Ethyl Acetate	5.214	43	660134	2.136	ppbv	100
26) Hexane	5.221	57	292777	2.112	ppbv	96
27) Carbon Disulfide	4.131	76	324081	1.957	ppbv	# 90
28) Methyl tert-Butyl Ether	4.594	73	270307	2.213	ppbv	98
29) Chloroform	5.282	83	506292	2.124	ppbv	95
30) Cyclohexane	6.613	84	237108	2.090	ppbv	95
31) cis-1,2-Dichloroethene	5.086	61	286855	2.136	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	478832	2.242	ppbv	99
34) 2-Butanone	4.793	43	402543	2.081	ppbv	97
35) Carbon Tetrachloride	6.507	117	500457	2.206	ppbv	97
36) Benzene	6.381	78	617086	2.127	ppbv	98
37) 1,2-Dichloroethane	5.816	62	356161	2.041	ppbv	99
38) Trichloroethene	7.304	130	234502	2.165	ppbv	94
39) 1,2-Dichloropropane	7.082	63	243788	2.102	ppbv	97
40) 1,4-Dioxane	7.308	88	92883	2.031	ppbv	82
41) Tetrahydrofuran	5.571	42	230487	2.008	ppbv	93
42) Bromodichloromethane	7.262	83	534289	2.137	ppbv	91
43) Methyl Methacrylate	7.491	69	234853	2.096	ppbv	100
44) 2,2,4-Trimethylpentane	7.336	57	1059580	2.186	ppbv	98
45) t-1,3-Dichloropropene	8.722	75	154711	1.988	ppbv	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	199391	2.056	ppbv	98
47) 1,1,2-Trichloroethane	8.915	97	256347	2.068	ppbv	95
48) Dibromochloromethane	9.725	129	423663	2.097	ppbv	99
49) Bromoform	12.423	173	337892	2.106	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	637119	2.239	ppbv	99
51) 2-Hexanone	9.571	43	440592	2.091	ppbv #	97
52) Tetrachloroethene	10.632	164	204507	2.267	ppbv	98
53) Toluene	9.233	91	681654	2.180	ppbv	99
54) 1,2-Dibromoethane	10.021	107	351909	2.212	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	322689	2.034	ppbv #	1
57) Chlorobenzene	11.542	112	538249	2.029	ppbv	100
58) Ethyl Benzene	12.108	91	924445	2.131	ppbv	98
59) m/p-Xylene	12.391	91	1634689m	4.292	ppbv	
60) o-Xylene	13.079	91	764651	2.117	ppbv	98
61) Styrene	12.915	104	331670	2.013	ppbv	96
62) Isopropylbenzene	14.050	105	1131642	2.106	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	589936	2.139	ppbv	100
64) n-propylbenzene	14.937	120	283078	2.091	ppbv	89
65) tert-Butylbenzene	16.108	119	1003072	2.152	ppbv	97
66) Benzyl Chloride	16.349	91	55810m	1.777	ppbv	
67) sec-Butylbenzene	16.654	105	1457686	2.171	ppbv	97
69) p-Isopropyltoluene	17.015	119	1143445	2.183	ppbv	99
70) n-Butylbenzene	17.902	91	1251171	2.210	ppbv	98
71) 2-Chlorotoluene	14.818	91	877776	2.137	ppbv	98
72) 4-Ethyltoluene	15.211	105	847672	2.129	ppbv	99
73) 1,3,5-Trimethylbenzene	15.371	105	757251	2.150	ppbv	90
74) 1,2,4-Trimethylbenzene	16.127	105	872252	2.168	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	489622	2.132	ppbv	98
76) 1,4-Dichlorobenzene	16.494	146	461778	1.999	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	470767	2.076	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	353408m	2.228	ppbv	
79) Naphthalene	21.413	128	579608	2.448	ppbv	95
80) Naphthalene,2-methyl-	24.413	142	72932m	2.359	ppbv	
81) 1,2,4-Trichlorobenzene	21.162	180	288993	2.135	ppbv	92

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

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