

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041123.D
 Acq On : 4 Apr 2024 11:23
 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 04:17:19 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	5.214	49	1419721	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.681	114	3651490	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3267363	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.809 95 2692141 10.284 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	142152	0.584	ppbv	89
3) Chlorodifluoromethane	2.678	51	119336	0.546	ppbv	100
4) Chloromethane	2.819	50	44863	0.542	ppbv	91
5) Vinyl Chloride	2.928	62	42545	0.538	ppbv	100
6) Bromomethane	3.131	94	15135	0.503	ppbv	83
7) Chloroethane	3.205	64	14620m	0.508	ppbv	
8) Dichlorotetrafluoroethane	2.864	85	111325	0.537	ppbv	99
9) Propene	2.700	41	35117	0.505	ppbv	91
10) Heptane	7.607	43	74335	0.450	ppbv	98
11) Trichlorofluoromethane	3.575	101	118102	0.536	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.083	101	82707	0.519	ppbv	97
13) Ethanol	3.272	45	7923m	0.489	ppbv	
14) Bromoethene	3.378	108	32939	0.525	ppbv #	96
15) Acetone	3.494	43	80910	0.526	ppbv	92
16) 1,3-Butadiene	2.996	39	36753	0.487	ppbv	91
17) tert-Butyl alcohol	3.909	59	67070m	0.481	ppbv	
18) 1,1-Dichloroethene	3.896	96	34267	0.504	ppbv #	90
19) Isopropyl Alcohol	3.610	45	44800m	0.474	ppbv	
20) Methylene Chloride	3.948	84	37303	0.588	ppbv	93
21) Allyl Chloride	4.018	41	47816	0.510	ppbv	89
22) trans-1,2-Dichloroethene	4.465	96	38694m	0.545	ppbv	
23) Vinyl Acetate	4.658	43	73932m	0.464	ppbv	
24) 1,1-Dichloroethane	4.584	63	74257	0.520	ppbv	96
25) Ethyl Acetate	5.237	43	142641	0.494	ppbv #	95
26) Hexane	5.234	57	62390	0.482	ppbv	89
27) Carbon Disulfide	4.144	76	73008m	0.464	ppbv	
28) Methyl tert-Butyl Ether	4.620	73	47547	0.486	ppbv	97
29) Chloroform	5.292	83	113625	0.520	ppbv	96
30) Cyclohexane	6.632	84	54496m	0.523	ppbv	
31) cis-1,2-Dichloroethene	5.099	61	58059	0.474	ppbv	95
32) 1,1,1-Trichloroethane	6.028	97	105495	0.523	ppbv	98
34) 2-Butanone	4.819	43	75524	0.479	ppbv	99
35) Carbon Tetrachloride	6.517	117	106043	0.509	ppbv #	93
36) Benzene	6.401	78	130572m	0.487	ppbv	
37) 1,2-Dichloroethane	5.832	62	81410	0.506	ppbv	98
38) Trichloroethene	7.317	130	47038	0.484	ppbv	96
39) 1,2-Dichloropropane	7.095	63	53370m	0.502	ppbv	
40) 1,4-Dioxane	7.343	88	15608m	0.428	ppbv	
41) Tetrahydrofuran	5.610	42	45117	0.447	ppbv	98
42) Bromodichloromethane	7.275	83	106596	0.463	ppbv #	92
43) Methyl Methacrylate	7.510	69	41623m	0.447	ppbv	
44) 2,2,4-Trimethylpentane	7.356	57	203674	0.459	ppbv	94
45) t-1,3-Dichloropropene	8.748	75	22841m	0.381	ppbv	

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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)
46) cis-1,3-Dichloropropene	8.169	75	33108m	0.434	ppbv	
47) 1,1,2-Trichloroethane	8.931	97	57381m	0.502	ppbv	
48) Dibromochloromethane	9.742	129	77548	0.428	ppbv	99
49) Bromoform	12.436	173	59453m	0.413	ppbv	
50) 4-Methyl-2-Pentanone	8.227	43	120328m	0.445	ppbv	
51) 2-Hexanone	9.610	43	74587m	0.398	ppbv	
52) Tetrachloroethene	10.645	164	41258	0.480	ppbv	99
53) Toluene	9.250	91	114416m	0.404	ppbv	
54) 1,2-Dibromoethane	10.041	107	69649m	0.489	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.539	131	67861	0.508	ppbv #	1
57) Chlorobenzene	11.555	112	119362m	0.540	ppbv	
58) Ethyl Benzene	12.121	91	154261	0.434	ppbv	90
59) m/p-Xylene	12.391	91	296960m	0.923	ppbv	
60) o-Xylene	13.089	91	138650m	0.453	ppbv	
61) Styrene	12.934	104	49943m	0.369	ppbv	
62) Isopropylbenzene	14.066	105	222727m	0.490	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.085	83	135335m	0.561	ppbv	
64) n-propylbenzene	14.950	120	51569m	0.454	ppbv	
65) tert-Butylbenzene	16.124	119	179292m	0.452	ppbv	
66) Benzyl Chloride	16.362	91	10652m	0.407	ppbv	
67) sec-Butylbenzene	16.674	105	265180	0.464	ppbv	99
69) p-Isopropyltoluene	17.034	119	192236	0.431	ppbv	96
70) n-Butylbenzene	17.925	91	207844m	0.428	ppbv	
71) 2-Chlorotoluene	14.835	91	164721m	0.474	ppbv	
72) 4-Ethyltoluene	15.230	105	153266m	0.454	ppbv	
73) 1,3,5-Trimethylbenzene	15.388	105	137719m	0.459	ppbv	
74) 1,2,4-Trimethylbenzene	16.140	105	153563	0.444	ppbv #	89
75) 1,3-Dichlorobenzene	16.375	146	96836m	0.482	ppbv	
76) 1,4-Dichlorobenzene	16.510	146	97550m	0.499	ppbv	
77) 1,2-Dichlorobenzene	17.179	146	92831	0.476	ppbv	98
78) Hexachloro-1,3-Butadiene	22.674	225	68438m	0.528	ppbv	
79) Naphthalene	21.429	128	80103m	0.369	ppbv	
80) Naphthalene,2-methyl-	24.432	142	12768m	0.335	ppbv	
81) 1,2,4-Trichlorobenzene	21.178	180	46941m	0.375	ppbv	

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

