

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040509.D
 Acq On : 10 Jul 2023 13:48
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 10 14:29:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023

QLast Update : Mon Jul 10 14:00:16 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

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

Internal Standards						
1) Bromochloromethane	5.201	49	1052953	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	2791013	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2462600	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1970752	9.696	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.738	85	114364	0.499	ppbv	99
3) Chlorodifluoromethane	2.684	51	89917	0.521	ppbv	100
4) Chloromethane	2.819	50	34403	0.515	ppbv	98
5) Vinyl Chloride	2.928	62	36926	0.554	ppbv	93
6) Bromomethane	3.128	94	16023	0.465	ppbv	91
7) Chloroethane	3.208	64	12368	0.497	ppbv	94
8) Dichlorotetrafluoroethane	2.867	85	92033	0.509	ppbv	95
9) Propene	2.700	41	31374	0.590	ppbv	100
10) Heptane	7.594	43	54988	0.457	ppbv	94
11) Trichlorofluoromethane	3.571	101	88608	0.475	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	62898	0.483	ppbv	98
13) Ethanol	3.269	45	6851m	0.622	ppbv	
14) Bromoethene	3.372	108	25321	0.464	ppbv	96
15) Acetone	3.488	43	68499	0.539	ppbv	97
16) 1,3-Butadiene	2.992	39	31572m	0.511	ppbv	
17) tert-Butyl alcohol	3.899	59	64630	0.619	ppbv	99
18) 1,1-Dichloroethene	3.890	96	29186	0.502	ppbv	90
19) Isopropyl Alcohol	3.597	45	32392	0.529	ppbv #	88
20) Methylene Chloride	3.941	84	30611	0.565	ppbv	96
21) Allyl Chloride	4.005	41	37512m	0.523	ppbv	
22) trans-1,2-Dichloroethene	4.455	96	27506	0.462	ppbv	95
23) Vinyl Acetate	4.645	43	56212	0.453	ppbv #	96
24) 1,1-Dichloroethane	4.574	63	60957m	0.490	ppbv	
25) Ethyl Acetate	5.224	43	112685	0.490	ppbv #	96
26) Hexane	5.224	57	51892	0.476	ppbv	92
27) Carbon Disulfide	4.137	76	55313	0.406	ppbv #	77
28) Methyl tert-Butyl Ether	4.603	73	42182	0.503	ppbv	97
29) Chloroform	5.282	83	91055	0.491	ppbv	96
30) Cyclohexane	6.613	84	45721m	0.521	ppbv	
31) cis-1,2-Dichloroethene	5.086	61	53190m	0.510	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	88791m	0.485	ppbv	
34) 2-Butanone	4.803	43	61627	0.458	ppbv #	88
35) Carbon Tetrachloride	6.497	117	84417	0.444	ppbv #	86
36) Benzene	6.381	78	108834	0.490	ppbv	97
37) 1,2-Dichloroethane	5.819	62	64855	0.448	ppbv	98
38) Trichloroethene	7.304	130	43445	0.517	ppbv #	81
39) 1,2-Dichloropropane	7.079	63	44016	0.514	ppbv #	79
40) 1,4-Dioxane	7.333	88	12919m	0.533	ppbv	
41) Tetrahydrofuran	5.590	42	37336m	0.508	ppbv	
42) Bromodichloromethane	7.259	83	83946	0.421	ppbv	99
43) Methyl Methacrylate	7.491	69	35601m	0.446	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	167665m	0.462	ppbv	
45) t-1,3-Dichloropropene	8.729	75	20611m	0.350	ppbv	

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Manual Integrations
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Quant Time: Jul 10 14:29:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

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

QLast Update : Mon Jul 10 14:00:16 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	26862m	0.374	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	47614m	0.506	ppbv	
48) Dibromochloromethane	9.722	129	62833m	0.418	ppbv	
49) Bromoform	12.420	173	45090	0.396	ppbv	98
50) 4-Methyl-2-Pentanone	8.211	43	83557	0.464	ppbv	99
51) 2-Hexanone	9.581	43	54367m	0.434	ppbv	
52) Tetrachloroethene	10.626	164	35355	0.507	ppbv #	91
53) Toluene	9.233	91	99300	0.425	ppbv	99
54) 1,2-Dibromoethane	10.024	107	56560m	0.459	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.523	131	55931	0.483	ppbv #	1
57) Chlorobenzene	11.539	112	92924	0.499	ppbv #	91
58) Ethyl Benzene	12.105	91	129011	0.432	ppbv	95
59) m/p-Xylene	12.388	91	247627m	0.903	ppbv	
60) o-Xylene	13.076	91	115008	0.442	ppbv	99
61) Styrene	12.912	104	42561m	0.380	ppbv	
62) Isopropylbenzene	14.043	105	181273	0.469	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	95626	0.568	ppbv	99
64) n-propylbenzene	14.928	120	44691m	0.455	ppbv	
65) tert-Butylbenzene	16.108	119	154353	0.465	ppbv	94
66) Benzyl Chloride	16.346	91	10916m	0.427	ppbv	
67) sec-Butylbenzene	16.654	105	235735	0.487	ppbv	98
69) p-Isopropyltoluene	17.014	119	186905m	0.486	ppbv	
70) n-Butylbenzene	17.908	91	210572	0.491	ppbv	96
71) 2-Chlorotoluene	14.818	91	134660	0.469	ppbv	98
72) 4-Ethyltoluene	15.211	105	127872	0.437	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.368	105	113352	0.438	ppbv	95
74) 1,2,4-Trimethylbenzene	16.121	105	140776	0.462	ppbv	94
75) 1,3-Dichlorobenzene	16.352	146	95342m	0.558	ppbv	
76) 1,4-Dichlorobenzene	16.490	146	94857m	0.571	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	82415	0.511	ppbv	93
78) Hexachloro-1,3-Butadiene	22.654	225	88263m	0.709	ppbv	
79) Naphthalene	21.403	128	106754m	0.609	ppbv	
80) Naphthalene,2-methyl-	24.394	142	23855m	0.453	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	76601m	0.705	ppbv	

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

