

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040686.D
 Acq On : 14 Sep 2023 15:44
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Sep 14 16:30:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Sep 14 15:02:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/15/2023
 Supervised By : Mahesh Dadoda 09/15/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	1179873	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3083328	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2596570	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2066579	10.007	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	150599	0.593	ppbv	95
3) Chlorodifluoromethane	2.664	51	104728	0.541	ppbv	99
4) Chloromethane	2.803	50	36135	0.478	ppbv	91
5) Vinyl Chloride	2.912	62	45288	0.564	ppbv	88
6) Bromomethane	3.108	94	21645	0.515	ppbv	96
7) Chloroethane	3.182	64	15639	0.534	ppbv #	88
8) Dichlorotetrafluoroethane	2.848	85	112038	0.545	ppbv	94
9) Propene	2.681	41	29099	0.485	ppbv	98
10) Heptane	7.571	43	54871	0.397	ppbv	95
11) Trichlorofluoromethane	3.552	101	122796	0.599	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	84777	0.557	ppbv	100
13) Ethanol	3.246	45	8812m	0.526	ppbv	
14) Bromoethene	3.353	108	35283	0.571	ppbv	98
15) Acetone	3.472	43	87641	0.607	ppbv	90
16) 1,3-Butadiene	2.976	39	28350	0.395	ppbv #	68
17) tert-Butyl alcohol	3.880	59	83182	0.543	ppbv	99
18) 1,1-Dichloroethene	3.870	96	37830	0.548	ppbv	98
19) Isopropyl Alcohol	3.584	45	46136m	0.504	ppbv	
20) Methylene Chloride	3.925	84	57344	0.813	ppbv #	85
21) Allyl Chloride	3.986	41	49266	0.516	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	36534	0.539	ppbv	93
23) Vinyl Acetate	4.623	43	70779	0.430	ppbv #	92
24) 1,1-Dichloroethane	4.552	63	77831	0.553	ppbv	99
25) Ethyl Acetate	5.201	43	120281	0.444	ppbv	98
26) Hexane	5.205	57	61415	0.468	ppbv	93
27) Carbon Disulfide	4.111	76	75051	0.481	ppbv #	80
28) Methyl tert-Butyl Ether	4.587	73	49068	0.484	ppbv	94
29) Chloroform	5.262	83	109121	0.526	ppbv	97
30) Cyclohexane	6.594	84	39961m	0.398	ppbv	
31) cis-1,2-Dichloroethene	5.070	61	53015	0.448	ppbv #	82
32) 1,1,1-Trichloroethane	5.996	97	104373	0.525	ppbv	97
34) 2-Butanone	4.793	43	80416m	0.517	ppbv	
35) Carbon Tetrachloride	6.481	117	103493	0.536	ppbv #	95
36) Benzene	6.362	78	111584	0.455	ppbv	97
37) 1,2-Dichloroethane	5.803	62	81023m	0.548	ppbv	
38) Trichloroethene	7.285	130	42926m	0.452	ppbv	
39) 1,2-Dichloropropane	7.063	63	44651m	0.478	ppbv	
40) 1,4-Dioxane	7.314	88	12170m	0.344	ppbv	
41) Tetrahydrofuran	5.574	42	37811m	0.430	ppbv	
42) Bromodichloromethane	7.243	83	100846	0.490	ppbv	96
43) Methyl Methacrylate	7.478	69	35001m	0.381	ppbv	
44) 2,2,4-Trimethylpentane	7.323	57	156781	0.395	ppbv #	89
45) t-1,3-Dichloropropene	8.706	75	23934m	0.326	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	30551m	0.341	ppbv	
47) 1,1,2-Trichloroethane	8.893	97	51182	0.486	ppbv	89
48) Dibromochloromethane	9.703	129	68529	0.415	ppbv	92
49) Bromoform	12.404	173	57228m	0.433	ppbv	
50) 4-Methyl-2-Pentanone	8.192	43	86641m	0.381	ppbv	
51) 2-Hexanone	9.568	43	55283m	0.345	ppbv	
52) Tetrachloroethene	10.610	164	35652m	0.464	ppbv	
53) Toluene	9.214	91	90816m	0.348	ppbv	
54) 1,2-Dibromoethane	10.002	107	58769	0.438	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	64627m	0.538	ppbv	
57) Chlorobenzene	11.523	112	101641	0.507	ppbv #	94
58) Ethyl Benzene	12.082	91	119931	0.383	ppbv	96
59) m/p-Xylene	12.371	91	243566m	0.853	ppbv	
60) o-Xylene	13.053	91	111196	0.411	ppbv	99
61) Styrene	12.902	104	37038m	0.312	ppbv	
62) Isopropylbenzene	14.021	105	185947m	0.454	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	111583	0.550	ppbv	99
64) n-propylbenzene	14.912	120	40612	0.392	ppbv	71
65) tert-Butylbenzene	16.095	119	158195m	0.445	ppbv	
66) Benzyl Chloride	16.346	91	17923m	0.401	ppbv	
67) sec-Butylbenzene	16.632	105	232204m	0.448	ppbv	
69) p-Isopropyltoluene	16.998	119	167249	0.413	ppbv	94
70) n-Butylbenzene	17.895	91	191262m	0.432	ppbv	
71) 2-Chlorotoluene	14.796	91	122803	0.404	ppbv	97
72) 4-Ethyltoluene	15.195	105	115790	0.379	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.352	105	109668	0.401	ppbv	93
74) 1,2,4-Trimethylbenzene	16.104	105	153974	0.483	ppbv #	91
75) 1,3-Dichlorobenzene	16.330	146	87935m	0.477	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	86779m	0.481	ppbv	
77) 1,2-Dichlorobenzene	17.143	146	94208m	0.519	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	75334m	0.547	ppbv	
79) Naphthalene	21.394	128	78386m	0.372	ppbv	
80) Naphthalene,2-methyl-	24.374	142	12557m	0.207	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	55043m	0.397	ppbv	

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

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